23:58

LIBRARY
UNIVERSITY OF CALIFORNIA

.A25
2
58

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING

OF CALIFORNIA
ARY
DAVIS
PY 2

Bulletin No. 23-58

SURFACE WATER FLOW For 1958

EDMUND G. BROWN
Governor

HARVEY O. BANKS
Director of Water Resources

December 1960

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING

Bulletin No. 23-58

SURFACE WATER FLOW For 1958

EDMUND G. BROWN
Governor

HARVEY O. BANKS
Director of Water Resources

December 1960

LIBRARY
UNIVERSITY OF CALIFORNIA
DAVIS

DISCHARGE MEASUREMENT OF YOLO BYPASS NEAR WOODLAND

In the above photograph, looking downstream, a discharge measurement is being made at the State Highway 24 bridge measurement section of the Yolo Bypass near Woodland gaging station. At this measurement section, the Yolo Bypass is approximately 9,000 feet wide and is spanned in part by the bridge shown in the photograph. The remainder of the section is measured by wading or by boat depending on the depth of water. Discharge at this section is a combination of the flows of Cache Creek and Knights Landing Ridge Cut and the flow over Fremont Weir. The equipment shown includes a typical crane-and-reel assembly and a Price current meter with a 75 pound Columbus weight. Notes are made of depths and velocities as the measurement progresses.

TABLE OF CONTENTS

	Page
LETTER OF TRANSMITTAL	xix
FOREWORD	xxi
ACKNOWLEDGMENT	xxii
ORGANIZATION	xxiii
INTRODUCTION	1
General	1
Programs	1
Sacramento-San Joaquin Water Supervision Program	1
Sacramento River Trial Distribution Program	1
Feather River Trial Distribution Program	1
American River Trial Distribution Program	2
Inventory of Water Resources and Requirements Program	2
Cooperative Agreements with other Agencies	2
Objectives	2
Scope	2
Definition of Terms	2
Second-foot, or cubic foot per second	2
Acre-foot	2
Drainage area	2
Unimpaired flow	3
Water year	3
Consumptive use	3
EXPLANATION OF TABULAR DATA	3
Stream Flow Tables	3
General	3
Accuracy	3
Content	3
Stages Tables	4
General	4
Accuracy	4
Content	4
Diversions and Acreages Irrigated Tables	4
General	4
Accuracy	4
Content	4
Summary Tables	4
General	4
Supply and Utilization	5
Delta Service Area	5
Utilization	5
Gaging Stations	5
Supplementary Tables	6
General	6
Precipitation	6
Unimpaired Runoff	6
Salinity	6
DEPARTMENT REPORTS OF BASIC WATER RESOURCE DATA	7
NORTH COASTAL AREA	10
Introduction	10
Tabular Information	10
CENTRAL VALLEY AREA	22
Introduction	22
Tabular Information	22
LAHONTAN AREA	324
Introduction	324
Tabular Information	324

LIST OF TABLES

Table		Page
	NORTH COASTAL AREA	
1	GAGING STATION DESCRIPTION AND DATA SUMMARY	11-12
2-15	DAILY STREAM FLOW (See Alphabetical Index to Tables, Stream Flow and Stages)	13-19
	CENTRAL VALLEY AREA	
16	MONTHLY PRECIPITATION	23
17	MONTHLY UNIMPAIRED RUNOFF	24
18	ANNUAL UNIMPAIRED RUNOFF	25
19	SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION - SACRAMENTO-SAN JOAQUIN DELTA	26
20	SUMMARY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETIONS - SACRAMENTO RIVER AND TRIBUTARIES	27-28
21	SUMMARY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETIONS - SAN JOAQUIN RIVER AND TRIBUTARIES	29-30
22	SUMMARY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETIONS - TULE RIVER AND TULARE LAKE BASIN	31
23	GAGING STATION DESCRIPTION AND DATA SUMMARY	32-69
24-220	DAILY STREAM FLOW (See Alphabetical Index to Tables, Stream Flow and Stages)	70-168
221-349	DAILY STAGES (See Alphabetical Index to Tables, Stream Flow and Stages)	168-251
350	SUMMARY OF WATER UTILIZATION	252-255
351	AVERAGE MONTHLY DIVERSIONS	256
352-362	COMPARATIVE MONTHLY DIVERSIONS (See Alphabetical Index to Tables, Diversions, Comparative Monthly)	256-261
363	COMPARATIVE SEASONAL DIVERSIONS AND ACREAGES IRRIGATED - SACRAMENTO RIVER	262
364-396	DIVERSIONS AND ACREAGES IRRIGATED (See Alphabetical Index to Tables, Diversions)	263-312
397	EXPORTATIONS FROM SACRAMENTO-SAN JOAQUIN DELTA	313
398	DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS	313-314
399	DESCRIPTION OF SALINITY OBSERVATION STATIONS	315
400	MAXIMUM OBSERVED SALINITY AT BAY AND DELTA STATIONS	316
401	SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS	317-322
	LAHONTAN AREA	
402	GAGING STATION DESCRIPTION AND DATA SUMMARY	325-326
403-412	DAILY STREAM FLOW (See Alphabetical Index to Tables, Stream Flow and Stages)	327-331
413	DAILY STAGE (See Alphabetical Index to Tables, Stream Flow and Stages)	332

LIST OF PLATES

Plate	
1	LOCATION OF SURFACE WATER MEASUREMENT STATIONS
2	LINES OF ANNUAL MAXIMUM SALINITY ENCROACHMENT SACRAMENTO-SAN JOAQUIN DELTA AND UPPER BAYS
3	HYDROGRAPHS, SHASTA LAKE, FOLSOM RESERVOIR, AND MILLERTON LAKE

ALPHABETICAL INDEX TO TABLES

Page

ACCRETIONS
Sacramento River and Tributaries 27
San Joaquin River and Tributaries 29
Tule River 31

ACREAGE IRRIGATED
From each point of diversion . . . . . See "Diversions"
Summary by Sacramento River Reaches 262
Water Utilization Summary - Sacramento-San Joaquin Valley 252

CANALS
Deliveries from Central Valley Project Canals 313
Diversions and Acreages Irrigated - East Side Canals and Irrigation Districts 312

DELTA, SACRAMENTO-SAN JOAQUIN
Exportations 313
Runoff to Delta 25
Salinity 315

DESCRIPTION, GAGING STATION AND DATA SUMMARY
Central Valley Area 32
Lahontan Area 325
North Coastal Area 11

DESCRIPTION OF SALINITY OBSERVATION STATIONS 315

DISCHARGE - FLOW OF STREAMS . . . . . See "Stream Flow and Stages"

DIVERSIONS - CENTRAL VALLEY AREA
Accretions, Relation to 27,29,31
At each point of diversion on
American River 284
Bear River 283
Beaver Slough (Delta Uplands) 299
Burton Slough (Delta Uplands) 299
Butte Creek, Lower 277
Butte Slough 278
Cache Slough (Delta Uplands) 299
Calaveras River 289
Calhoun Cut (Delta Uplands) 299
Colusa Basin Drain 273
Cosumnes River 285
Delta Uplands
Beaver Slough 299
Burton Slough 299
Cache Slough 299
Calaveras River - below Stockton 297
Calhoun Cut 299
Cosumnes River - below McConnell 297
Disappointment Slough 298
Duck Slough Extension 299
East Dredger Cut (Snodgrass Slough) 299
Five Mile Slough 298
French Camp Slough 295
Hass Slough 299
Hog Slough 299
Mokelumne River - below Woodbridge 297
Old River 294
Putah Creek - below Davis 298
Sacramento River below Sacramento 297
San Joaquin River - Stockton to Vernalis 295
Telephone Cut 298
Tom Paine Slough 294
Unsegregated Delta Uplands 299
White Slough 299
Yolo Bypass (West Cut) 298
Disappointment Slough (Delta Uplands) 298
Dry Creek (Tributary to Tuolumne River) 309
Duck Slough Extension (Delta Uplands) 299
East Dredger Cut - Snodgrass Slough (Delta Uplands) 299
Feather River 281
Five Mile Slough (Delta Uplands) 298
French Camp Slough (Delta Uplands) 295
Fresno Slough 302
Hass Slough (Delta Uplands) 299
Hog Slough (Delta Uplands) 299
Honcut Slough 281
James Bypass 303
Knights Landing Ridge Cut 276
Lower Butte Creek 277
Merced River 305
Mokelumne River 287
Mormon Slough 291
North Slough 290
Old River (Delta Uplands) 294
Poodle Creek 280
Putah Creek 284
Sacramento River
below Sacramento (Delta Uplands) 297
Sacramento to Verona 263
Verona to Knights Landing 264

ALPHABETICAL INDEX TO TABLES (continued)

Page

DIVERSIONS - CENTRAL VALLEY AREA (continued)
- Sacramento River (continued)
  - Knights Landing to Wilkins Slough . . . 265
  - Wilkins Slough to Colusa . . . 267
  - Colusa to Butte City . . . 268
  - Butte City to Red Bluff . . . 270
  - Red Bluff to Redding . . . 272
- Sacramento Slough . . . 280
- Sand Slough . . . 302
- San Joaquin River
  - Stockton to Vernalis (Delta Uplands) . . . 295
  - Vernalis to Fremont Ford Bridge . . . 300
  - Fremont Ford Bridge to Gravelly Ford . . . 302
  - Gravelly Ford to Friant Dam . . . 303
- Stanislaus River . . . 309
- Stockton Diverting Canal . . . 289
- Sutter Bypass . . . 278
- Telephone Cut (Delta Uplands) . . . 298
- Tom Paine Slough (Delta Uplands) . . . 294
- Tule River . . . 311
- Tuolumne River . . . 307
- Wadsworth Canal . . . 279
- West Stanialaus Irrigation District Intake Canal . . . 300
- White Slough (Delta Uplands) . . . 299
- Yolo Bypass (East Borrow Pit or Tule Canal) . . . 276
- Yolo Bypass - West Cut (Delta Uplands) . . . 298
- Yuba River . . . 282

Average Monthly, in per cent of Seasonal . . . 256

Comparative Monthly - 1949 through 1958
- American River . . . 258
- Feather River . . . 257
- Merced River . . . 260
- Old River (Delta Uplands) . . . 258
- Sacramento River . . . 256
- San Joaquin River - Stockton to Vernalis (Delta Uplands) . . . 259
- San Joaquin River - Vernalis to Fremont Ford Bridge . . . 260
- Stanislaus River . . . 261
- Tom Paine Slough (Delta Uplands) . . . 259
- Tuolumne River . . . 261
- Yuba River . . . 257

Comparative Seasonal for Sacramento River Reaches . . . 262

East Side Canals and Irrigation Districts . . . 312

Exportations from Sacramento-San Joaquin Delta . . . 313

Summary of Monthly Stream Flow, Diversions, and Accretions . . . 27,29,31

DUTY OF WATER
- Comparative Seasonal for Sacramento River Reaches . . . 262
- Seasonal by Streams - 1949 through 1958 . . . 252

EXPORTATIONS . . . See "Delta, Sacramento-San Joaquin"

INVENTORY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETIONS
- Sacramento Valley Streams . . . 27
- San Joaquin Valley Streams . . . 29
- Tule River and Tulare Lake Basin . . . 31

LAKES . . . See "Reservoirs"

PRECIPITATION, MONTHLY AT CENTRAL VALLEY STATIONS . . . 23

RESERVOIRS
- Daily Content
  - Folsom Reservoir . . . 123
  - Millerton Lake . . . 130
  - Shasta Lake . . . 76
- Daily Elevation
  - Big Sage Reservoir near Alturas . . . 168
  - Eagle Lake near Susanville . . . 332
  - Tulare Lake . . . 169
- Inflow
  - Folsom Reservoir . . . 122
  - Millerton Lake . . . 130
  - Shasta Lake . . . 75
  - Tulare Lake . . . 31

RETURN WATER . . . See "Accretions"

RUNOFF
- Annual Unimpaired . . . 25
- Monthly Unimpaired . . . 24

SALINITY INVESTIGATIONS
- Description of Salinity Observation Stations . . . 315
- Maximum Observed Salinity . . . 316
- Salinity Observations . . . 317

STAGES . . . See "Stream Flow and Stages"

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES
Central Valley Area
American River at Elvas
Station description and data summary . . . 32
Daily mean gage height . . . 199
American River at Fair Oaks
Station description and data summary . . . 32
Daily mean discharge . . . 123
Daily mean gage height . . . 198
American River at Garden Highway
Station description and data summary . . . 32
Daily mean gage height . . . 200
American River at Sacramento
Station description and data summary . . . 32
Daily mean discharge . . . 124
Daily mean gage height . . . 199
Antelope Creek near Mouth
Station description and data summary . . . 32
Daily mean discharge . . . 84
Antelope Creek near Red Bluff
Station description and data summary . . . 32
Daily mean discharge . . . 84
Daily mean gage height . . . 172
Ash Creek at Adin
Station description and data summary . . . 32
Daily mean discharge . . . 72
Auburn Ravine at Lincoln
Station description and data summary . . . 33
Daily mean discharge . . . 118
Battle Creek near Cottonwood
Station description and data summary . . . 33
Daily mean discharge . . . 82
Daily mean gage height . . . 171
Bear Creek below Bear Reservoir
Station description and data summary . . . 33
Daily mean discharge . . . 139
Bear Creek near Cathay
Station description and data summary . . . 33
Daily mean discharge . . . 139
Bear Creek near Lockeford
Station description and data summary . . . 33
Daily mean discharge . . . 157
Bear Creek near Rumsey
Station description and data summary . . . 33
Daily mean discharge . . . 125
Bear River near Wheatland
Station description and data summary . . . 33
Daily mean discharge . . . 116
Daily mean gage height . . . 195
Big Chico Creek at Chico
Station description and data summary . . . 34
Daily mean discharge . . . 90
Big Chico Creek near Chico
Station description and data summary . . . 34
Daily mean discharge . . . 89
Daily mean gage height . . . 175
Big Sage Reservoir near Alturas
Station description and data summary . . . 34
Daily elevation . . . 168
Burney Creek near Burney
Station description and data summary . . . 34
Daily mean discharge . . . 75
Burns Creek below Burns Reservoir
Station description and data summary . . . 34
Daily mean discharge . . . 140
Butte Creek near Adin
Station description and data summary . . . 34
Daily mean discharge . . . 73
Butte Creek near Chico
Station description and data summary . . . 34
Daily mean discharge . . . 95
Daily mean gage height . . . 180
Butte Slough at Mawson Bridge
Station description and data summary . . . 35
Daily mean discharge . . . 104
Daily mean gage height . . . 189
Butte Slough at Outfall Gates
Station description and data summary . . . 35
Daily mean discharge . . . 95
Daily mean gage height . . . 180
Cache Creek near Capay
Station description and data summary . . . 35
Daily mean discharge . . . 125
Cache Creek at Yolo
Station description and data summary . . . 35
Daily mean discharge . . . 126
Daily mean gage height . . . 201
Calaveras River at Bellota
Station description and data summary . . . 35
Daily mean discharge . . . 155

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
Calaveras River at Jenny Lind
Station description and data summary . . . 35
Daily mean discharge . . . 154
Daily mean gage height . . . 249
Calaveras River near Stockton
Station description and data summary . . . 35
Daily mean discharge . . . 155
Chowchilla River at Buchanan Dam Site
Station description and data summary . . . 36
Daily mean discharge . . . 136
Clear Creek near Igo
Station description and data summary . . . 36
Daily mean discharge . . . 77
Daily mean gage height . . . 170
Colusa Basin Drain near College City
Station description and data summary . . . 36
Daily mean discharge . . . 100
Daily mean gage height . . . 186
Colusa Basin Drain at Highway 20
Station description and data summary . . . 36
Daily mean discharge . . . 100
Daily mean gage height . . . 185
Colusa Basin Drain at Knights Landing
Station description and data summary . . . 36
Daily mean discharge . . . 101
Daily mean gage height . . . 186
Colusa Weir Spill to Butte Basin
Station description and data summary . . . 36
Daily mean discharge . . . 94
Daily mean gage height . . . 179
Contra Costa Canal near Oakley
Station description and data summary . . . 36
Daily mean discharge . . . 161
Coon Creek at Highway 99E
Station description and data summary . . . 37
Daily mean discharge . . . 117
Cosumnes River at McConnell
Station description and data summary . . . 37
Daily mean discharge . . . 160
Daily mean gage height . . . 251
Cosumnes River at Michigan Bar
Station description and data summary . . . 37
Daily mean discharge . . . 160
Daily mean gage height . . . 251
Cottonwood Creek near Cottonwood
Station description and data summary . . . 37
Daily mean discharge . . . 81
Daily mean gage height . . . 170
Cow Creek near Millville
Station description and data summary . . . 37
Daily mean discharge . . . 79
Cross Creek below Lakeland Canal 2
Station description and data summary . . . 37
Daily mean discharge . . . 162
Deer Creek at Highway 99E
Station description and data summary . . . 37
Daily mean discharge . . . 88
Deer Creek near Nevada City
Station description and data summary . . . 38
Daily mean discharge . . . 113
Deer Creek near Smartville
Station description and data summary . . . 38
Daily mean discharge . . . 113
Deer Creek near Vina
Station description and data summary . . . 38
Daily mean discharge . . . 87
Daily mean gage height . . . 174
Delta Cross Channel at Walnut Grove
Station description and data summary . . . 38
Daily maximum and minimum gage heights . . . 216
Delta-Mendota Canal near Tracy
Station description and data summary . . . 38
Daily mean discharge . . . 157
Dry Creek near Galt
Station description and data summary . . . 38
Daily mean discharge . . . 159
Dry Creek near Modesto
Station description and data summary . . . 38
Daily mean discharge . . . 147
Daily mean gage height . . . 245
Dry Creek at Virginia Ranch
Station description and data summary . . . 39
Daily mean discharge . . . 114
Dry Creek near Wheatland
Station description and data summary . . . 39
Daily mean discharge . . . 116
Daily mean gage height . . . 195

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
Dry Fork South Fork Cottonwood Creek near Cottonwood
Station description and data summary . . . 39
Daily mean discharge . . . 81
Duck Creek at Farmington
Station description and data summary . . . 39
Daily mean discharge . . . 153
Duck Creek near Stockton
Station description and data summary . . . 39
Daily mean discharge . . . 154
Duck Creek Diversion near Farmington
Station description and data summary . . . 39
Daily mean discharge . . . 152
East Fork Chowchilla River near Ahwahnee
Station description and data summary . . . 39
Daily mean discharge . . . 134
Elder Creek at Gerber
Station description and data summary . . . 40
Daily mean discharge . . . 85
Fall River near Dana
Station description and data summary . . . 40
Daily mean discharge . . . 74
Feather River near Gridley
Station description and data summary . . . 40
Daily mean discharge . . . 111
Daily mean gage height . . . 192
Feather River at Nicolaus
Station description and data summary . . . 40
Daily mean discharge . . . 117
Daily mean gage height . . . 196
Feather River near Oroville
Station description and data summary . . . 40
Daily mean discharge . . . 110
Daily mean gage height . . . 192
Feather River below Shanghai Bend
Station description and data summary . . . 40
Daily mean discharge . . . 115
Daily mean gage height . . . 194
Feather River at Yuba City
Station description and data summary . . . 40
Daily mean discharge . . . 112
Daily mean gage height . . . 193
Folsom Reservoir
Station description and data summary . . . 41
Daily content . . . 123
Daily mean inflow . . . 122
Fremont Weir Spill to Yolo Bypass
Station description and data summary . . . 41
Daily mean discharge . . . 102
Daily mean gage height . . . 187,188
French Camp Slough near French Camp
Station description and data summary . . . 41
Daily mean discharge . . . 153
Fresno River near Daulton
Station description and data summary . . . 41
Daily mean discharge . . . 134
Friant-Kern Canal Delivery to Porter Slough
Station description and data summary . . . 41
Daily mean discharge . . . 166
Friant-Kern Canal Delivery to Tule River
Station description and data summary . . . 41
Daily mean discharge . . . 164
Georgiana Slough at Mokelumne River
Station description and data summary . . . 42
Daily maximum and minimum gage heights . . . 225
Grant Line Canal at Tracy Road Bridge
Station description and data summary . . . 42
Daily maximum and minimum gage heights . . . 211
Indian Creek near Taylorsville
Station description and data summary . . . 42
Daily mean discharge . . . 108
Kaweah River near Three Rivers
Station description and data summary . . . 42
Daily mean discharge . . . 167
Kern River near Bakersfield
Station description and data summary . . . 42
Daily mean discharge . . . 168
Kings River at Piedra
Station description and data summary . . . 42
Daily mean discharge . . . 161
Lights Creek near Taylorsville
Station description and data summary . . . 42
Daily mean discharge . . . 109
Linda Creek near Roseville
Station description and data summary . . . 43
Daily mean discharge . . . 122
Lindo Channel near Chico
Station description and data summary . . . 43
Daily mean discharge . . . 90

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
Little Cow Creek near Ingot
Station description and data summary 43
Daily mean discharge 78
Little Dry Creek at Mouth, near Friant
Station description and data summary 43
Daily mean discharge 131
Littlejohns Creek at Farmington
Station description and data summary 43
Daily mean discharge 152
Little Last Chance Creek near Chilcoot
Station description and data summary 43
Daily mean discharge 105
Mariposa Creek near Cathay
Station description and data summary 43
Daily mean discharge 137
Mariposa Creek below Mariposa Reservoir
Station description and data summary 44
Daily mean discharge 137
McLeod Lake at Stockton
Station description and data summary 44
Daily maximum and minimum gage heights 203
Merced River at Cressey
Station description and data summary 44
Daily mean discharge 142
Daily mean gage height 242
Merced River at Exchequer
Station description and data summary 44
Daily mean discharge 141
Merced River below Snelling
Station description and data summary 44
Daily mean discharge 141
Daily mean gage height 241
Merced River near Stevinson
Station description and data summary 44
Daily mean discharge 142
Merced River Slough near Newman
Station description and data summary 44
Daily mean discharge 143
Middle Fork Chowchilla River near Nipinnawasee
Station description and data summary 45
Daily mean discharge 135
Middle Fork Feather River near Portola
Station description and data summary 45
Daily mean discharge 107
Middle River at Bacon Island
Station description and data summary 45
Daily maximum and minimum gage heights 218
Middle River at Borden Highway
Station description and data summary 45
Daily maximum and minimum gage heights 212
Middle River at Mowry Bridge
Station description and data summary 45
Daily maximum and minimum gage heights 207
Mill Creek near Los Molinos
Station description and data summary 45
Daily mean discharge 86
Daily mean gage height 173
Mill Creek near Mouth
Station description and data summary 45
Daily mean discharge 86
Miller Creek near Sattley
Station description and data summary 46
Daily mean discharge 107
Millerton Lake
Station description and data summary 46
Daily content 130
Daily mean inflow 130
Miner Slough at Five Points
Station description and data summary 46
Daily maximum and minimum gage heights 232
Mokelumne River near Clements
Station description and data summary 46
Daily mean discharge 158
Daily mean gage height 250
Mokelumne River at Lancha Plana
Station description and data summary 46
Daily mean discharge 158
Mokelumne River at Woodbridge
Station description and data summary 46
Daily mean discharge 159
Daily mean gage height 250
Mormon Slough at Bellota
Station description and data summary 47
Daily mean discharge 156
Moulton Weir Spill to Butte Basin
Station description and data summary 47
Daily mean discharge 93
Daily mean gage height 178

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
Natomas Cross Canal at Head
Station description and data summary . . . 47
Daily mean discharge . . . 118
North Fork Cottonwood Creek near Igo
Station description and data summary . . . 47
Daily mean discharge . . . 80
North Fork Mill Creek near Mouth
Station description and data summary . . . 47
Daily mean discharge . . . 85
North Fork Tule River at Springville
Station description and data summary . . . 47
Daily mean discharge . . . 163
Old River at Clifton Court Ferry
Station description and data summary . . . 47
Daily maximum and minimum gage heights . . . 222
Old River at Holland Tract
Station description and data summary . . . 48
Daily maximum and minimum gage heights . . . 226
Old River at Mansion House
Station description and data summary . . . 48
Daily maximum and minimum gage heights . . . 224
Old River near Rock Slough
Station description and data summary . . . 48
Daily maximum and minimum gage heights . . . 227
Old River near Tracy Road Bridge
Station description and data summary . . . 48
Daily maximum and minimum gage heights . . . 210
Orestimba Creek near Newman
Station description and data summary . . . 48
Daily mean discharge . . . 144
Owens Creek below Owens Reservoir
Station description and data summary . . . 48
Daily mean discharge . . . 138
Paynes Creek near Red Bluff
Station description and data summary . . . 48
Daily mean discharge . . . 82
Pine Creek near Alturas
Station description and data summary . . . 49
Daily mean discharge . . . 70
Pit River below Alturas
Station description and data summary . . . 49
Daily mean discharge . . . 71
Pit River at Pittville
Station description and data summary . . . 49
Daily mean discharge . . . 74
Pleasants Creek near Winters
Station description and data summary . . . 49
Daily mean discharge . . . 127
Porter Slough at Porterville
Station description and data summary . . . 49
Daily mean discharge . . . 165
Porter Slough near Porterville
Station description and data summary . . . 49
Daily mean discharge . . . 166
Putah Creek above Davis
Station description and data summary . . . 49
Daily mean discharge . . . 128
Putah Creek near Davis
Station description and data summary . . . 50
Daily mean discharge . . . 129
Putah Creek below Winters
Station description and data summary . . . 50
Daily mean discharge . . . 128
Putah Creek near Winters
Station description and data summary . . . 50
Daily mean discharge . . . 127
Daily mean gage height . . . 202
Reclamation District 70 Drainage to Sacramento River
Station description and data summary . . . 50
Daily mean discharge . . . 96
Daily mean gage height . . . 182
Reclamation District 108 Drainage to Sacramento River
Station description and data summary . . . 50
Daily mean discharge . . . 98
Daily mean gage height . . . 185
Reclamation District 787 Drainage to Colusa Basin Drain
Station description and data summary . . . 50
Daily mean discharge . . . 101
Reclamation District 787 Drainage to Sacramento River
Station description and data summary . . . 51
Daily mean discharge . . . 99
Reclamation District 1000 Drainage to Sacramento River (Pritchard Lake)
Station description and data summary . . . 51
Daily mean discharge . . . 120
Daily mean gage height . . . 197
Reclamation District 1000 Drainage to Sacramento River (Second Bannon Slough)
Station description and data summary . . . 51
Daily mean discharge . . . 121
Daily mean gage height . . . 198

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
Reclamation District 1001 Drainage to Natomas Cross Canal
Station description and data summary . . . 51
Daily mean discharge . . . 119
Reclamation District 1500 Drainage to Sacramento Slough
Station description and data summary . . . 51
Daily mean discharge . . . 103
Daily mean gage height . . . 188
Red Bank Creek near Red Bluff
Station description and data summary . . . 51
Daily mean discharge . . . 83
Red Clover Creek near Genesee
Station description and data summary . . . 51
Daily mean discharge . . . 108
Rock Slough at Contra Costa Canal Intake
Station description and data summary . . . 52
Daily maximum and minimum gage heights . . . 231
Rush Creek near Adin
Station description and data summary . . . 52
Daily mean discharge . . . 72
Sacramento River at Balls Ferry
Station description and data summary . . . 52
Daily mean discharge . . . 79
Sacramento River at Butte City
Station description and data summary . . . 52
Daily mean discharge . . . 92
Daily mean gage height . . . 177
Sacramento River at Butte Slough Outfall Gates
Station description and data summary . . . 52
Daily mean gage height . . . 181
Sacramento River at Clarksburg
Station description and data summary . . . 52
Daily maximum and minimum gage heights . . . 219
Sacramento River at Collinsville
Station description and data summary . . . 52
Daily maximum and minimum gage heights . . . 239
Sacramento River at Colusa
Station description and data summary . . . 53
Daily mean discharge . . . 94
Daily mean gage height . . . 179
Sacramento River at Colusa Weir
Station description and data summary . . . 53
Daily mean gage height . . . 179
Sacramento River near Freeport
Station description and data summary . . . 53
Daily maximum and minimum gage heights . . . 221
Sacramento River at Fremont Weir, East End
Station description and data summary . . . 53
Daily mean gage height . . . 188
Sacramento River at Fremont Weir, West End
Station description and data summary . . . 53
Daily mean gage height . . . 187
Sacramento River at Hamilton City
Station description and data summary . . . 53
Daily mean discharge . . . 89
Daily mean gage height . . . 175
Sacramento River at Isleton
Station description and data summary . . . 53
Daily maximum and minimum gage heights . . . 230
Sacramento River at Keswick
Station description and data summary . . . 53
Daily mean discharge . . . 76
Daily mean gage height . . . 169
Sacramento River at Knights Landing
Station description and data summary . . . 54
Daily mean discharge . . . 102
Daily mean gage height . . . 187
Sacramento River at Meridian
Station description and data summary . . . 54
Daily mean discharge . . . 96
Daily mean gage height . . . 181
Sacramento River at Moulton Weir
Station description and data summary . . . 54
Daily mean gage height . . . 178
Sacramento River opposite Moulton Weir
Station description and data summary . . . 54
Daily mean discharge . . . 93
Daily mean gage height . . . 178
Sacramento River at Ord Ferry
Station description and data summary . . . 54
Daily mean discharge . . . 92
Daily mean gage height . . . 177
Sacramento River at Pritchard Lake
Station description and data summary . . . 54
Daily mean gage height . . . 197
Sacramento River at Reclamation District 70 Pumping Plant
Station description and data summary . . . 54
Daily mean gage height . . . 182

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
Sacramento River above Reclamation District 108 Pumping Plant
Station description and data summary . . . 55
Daily mean discharge . . . 98
Sacramento River at Red Bluff
Station description and data summary . . . 55
Daily mean gage height . . . 172
Sacramento River near Red Bluff
Station description and data summary . . . 55
Daily mean discharge . . . 83
Daily mean gage height . . . 171
Sacramento River near Redding
Station description and data summary . . . 55
Daily mean discharge . . . 77
Sacramento River at Rio Vista
Station description and data summary . . . 55
Daily maximum and minimum gage heights . . . 235
Sacramento River near Rough and Ready Bend
Station description and data summary . . . 55
Daily mean gage height . . . 184,185
Sacramento River at Sacramento
Station description and data summary . . . 56
Daily mean discharge . . . 124
Daily mean gage height . . . 200
Sacramento River at Sacramento Weir
Station description and data summary . . . 56
Daily maximum and minimum gage heights . . . 223
Sacramento River opposite Sacramento Weir
Station description and data summary . . . 56
Daily mean gage height . . . 197
Sacramento River at Second Bannon Slough
Station description and data summary . . . 56
Daily mean gage height . . . 198
Sacramento River at Snodgrass Slough
Station description and data summary . . . 56
Daily maximum and minimum gage heights . . . 220
Sacramento River at Tisdale Weir
Station description and data summary . . . 56
Daily mean gage height . . . 183
Sacramento River below Tisdale Weir
Station description and data summary . . . 56
Daily mean gage height . . . 183
Sacramento River at Verona
Station description and data summary . . . 57
Daily mean discharge . . . 120
Daily mean gage height . . . 196
Sacramento River at Vina Bridge
Station description and data summary . . . 57
Daily mean discharge . . . 88
Daily mean gage height . . . 174
Sacramento River at Walnut Grove
Station description and data summary . . . 57
Daily maximum and minimum gage heights . . . 217
Sacramento River below Wilkins Slough
Station description and data summary . . . 57
Daily mean discharge . . . 97
Daily mean gage height . . . 184
Sacramento Slough at Sacramento River
Station description and data summary . . . 57
Daily mean discharge . . . 104
Sacramento Weir Spill to Yolo Bypass
Station description and data summary . . . 57
Daily mean discharge . . . 121
Daily mean gage height . . . 197,223
Salt Creek near Bella Vista
Station description and data summary . . . 57
Daily mean discharge . . . 78
Salt Slough near Los Banos
Station description and data summary . . . 58
Daily mean discharge . . . 138
San Joaquin River at Antioch
Station description and data summary . . . 58
Daily maximum and minimum gage heights . . . 238
San Joaquin River near Biola
Station description and data summary . . . 58
Daily mean discharge . . . 132
San Joaquin River at Brandt Bridge
Station description and data summary . . . 58
Daily maximum and minimum gage heights . . . 205
San Joaquin River near Dos Palos
Station description and data summary . . . 58
Daily mean discharge . . . 133
San Joaquin River at Fremont Ford Bridge
Station description and data summary . . . 58
Daily mean discharge . . . 140
Daily mean gage height . . . 241
San Joaquin River below Friant
Station description and data summary . . . 58
Daily mean discharge . . . 131

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
San Joaquin River at Grayson
Station description and data summary 59
Daily mean discharge 144
Daily mean gage height 243
San Joaquin River at Hetch Hetchy Aqueduct Crossing
Station description and data summary 59
Daily mean discharge 148
San Joaquin River at Maze Road Bridge
Station description and data summary 59
Daily mean gage height 247
San Joaquin River near Mendota
Station description and data summary 59
Daily mean discharge 133
San Joaquin River at Mossdale Bridge
Station description and data summary 59
Daily maximum and minimum gage heights 204
San Joaquin River near Newman
Station description and data summary 59
Daily mean discharge 143
Daily mean gage height 242
San Joaquin River at Patterson Bridge
Station description and data summary 59
Daily mean gage height 243
San Joaquin River at Rindge Pump
Station description and data summary 60
Daily maximum and minimum gage heights 209
San Joaquin River at San Andreas Landing
Station description and data summary 60
Daily maximum and minimum gage heights 229
San Joaquin River at Venice Island
Station description and data summary 60
Daily maximum and minimum gage heights 215
San Joaquin River near Vernalis
Station description and data summary 60
Daily mean discharge 151
Daily mean gage height 249
San Joaquin River at Whitehouse
Station description and data summary 60
Daily mean discharge 132
Shasta Lake
Station description and data summary 60
Daily content 76
Daily mean inflow 75
Smithneck Creek near Loyalton
Station description and data summary 61
Daily mean discharge 106
Snodgrass Slough at Twin Cities Road Bridge
Station description and data summary 61
Daily maximum and minimum gage heights 214
South Fork Cottonwood Creek near Cottonwood
Station description and data summary 61
Daily mean discharge 80
South Fork Kings River below Empire Weir 2
Station description and data summary 61
Daily mean discharge 162
South Fork Mokelumne River at New Hope Bridge
Station description and data summary 61
Daily maximum and minimum gage heights 213
South Fork Pit River near Jesa Valley
Station description and data summary 61
Daily mean discharge 70
South Fork Putah Creek near Davis
Station description and data summary 61
Daily mean discharge 129
South Honcut Creek near Bangor
Station description and data summary 62
Daily mean discharge 111
Spanish Creek near Quincy
Station description and data summary 62
Daily mean discharge 110
Stanislaus River below Melones Powerhouse
Station description and data summary 62
Daily mean discharge 149
Stanislaus River near Mouth
Station description and data summary 62
Daily mean discharge 151
Stanislaus River at Orange Blossom Bridge
Station description and data summary 62
Daily mean discharge 149
Daily mean gage height 247
Stanislaus River at Ripon
Station description and data summary 62
Daily mean discharge 150
Daily mean gage height 248
Stanislaus River at Riverbank
Station description and data summary 62
Daily mean discharge 150
Daily mean gage height 248

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
Stockton Diverting Canal at Stockton
Station description and data summary . . . 63
Daily mean discharge . . . 156
Stockton Ship Channel at Burns Cutoff
Station description and data summary . . . 63
Daily maximum and minimum gage heights . . . 206
Stone Corral Creek near Sites
Station description and data summary . . . 63
Daily mean discharge . . . 99
Stony Creek at Black Butte Dam Site, near Orland
Station description and data summary . . . 63
Daily mean discharge . . . 91
Stony Creek near Hamilton City
Station description and data summary . . . 63
Daily mean discharge . . . 91
Daily mean gage height . . . 176
Stony Creek at St. John
Station description and data summary . . . 63
Daily mean gage height . . . 176
Striped Rock Creek near Raymond
Station description and data summary . . . 63
Daily mean discharge . . . 136
Suisun Bay at Benicia Arsenal
Station description and data summary . . . 64
Daily maximum and minimum gage heights . . . 240
Sutter Bypass at Long Bridge
Station description and data summary . . . 64
Daily mean gage height . . . 189
Sutter Bypass at Reclamation District 1500 Pumping Plant
Station description and data summary . . . 64
Daily mean gage height . . . 188
Sutter Bypass at State Pumping Plant 1
Station description and data summary . . . 64
Daily mean gage height . . . 191
Sutter Bypass at State Pumping Plant 2
Station description and data summary . . . 64
Daily mean gage height . . . 191
Sutter Bypass at State Pumping Plant 3
Station description and data summary . . . 64
Daily mean gage height . . . 190
Thomes Creek at Paskenta
Station description and data summary . . . 64
Daily mean discharge . . . 87
Daily mean gage height . . . 173
Threemile Slough at Sacramento River
Station description and data summary . . . 64
Daily maximum and minimum gage heights . . . 236
Threemile Slough at San Joaquin River
Station description and data summary . . . 65
Daily maximum and minimum gage heights . . . 234
Tisdale Bypass at Reclamation District 1660 Pumping Plant
Station description and data summary . . . 65
Daily mean gage height . . . 182
Tisdale Weir Spill to Sutter Bypass
Station description and data summary . . . 65
Daily mean discharge . . . 97
Daily mean gage height . . . 183
Tom Paine Slough above Mouth
Station description and data summary . . . 65
Daily maximum and minimum gage heights . . . 208
Tulare Lake
Station description and data summary . . . 65
Daily elevation . . . 169
Monthly inflow . . . 31
Tule River below Porterville
Station description and data summary . . . 65
Daily mean discharge . . . 165
Tule River near Porterville
Station description and data summary . . . 66
Daily mean discharge . . . 163
Tule River at Turnbull Station
Station description and data summary . . . 66
Daily mean discharge . . . 167
Tule River at Worth Bridge near Porterville
Station description and data summary . . . 66
Daily mean discharge . . . 164
Tuolumne River at Hickman Bridge
Station description and data summary . . . 66
Daily mean discharge . . . 146
Daily mean gage height . . . 245
Tuolumne River at La Grange Bridge
Station description and data summary . . . 66
Daily mean discharge . . . 145
Daily mean gage height . . . 244
Tuolumne River above La Grange Dam, near La Grange
Station description and data summary . . . 66
Daily mean discharge . . . 145

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
Central Valley Area (continued)
Tuolumne River at Modesto
Station description and data summary . . . 66
Daily mean discharge . . . 147
Daily mean gage height . . . 246
Tuolumne River at Roberts Ferry Bridge
Station description and data summary . . . 67
Daily mean discharge . . . 146
Daily mean gage height . . . 244
Tuolumne River at Tuolumne City
Station description and data summary . . . 67
Daily mean discharge . . . 148
Daily mean gage height . . . 246
Turner Creek near Canby
Station description and data summary . . . 67
Daily mean discharge . . . 71
Wadsworth Canal at Butte House Road
Station description and data summary . . . 67
Daily mean discharge . . . 105
Daily mean gage height . . . 190
Webber Creek near Sierraville
Station description and data summary . . . 67
Daily mean discharge . . . 106
West Fork Chowchilla River near Mariposa
Station description and data summary . . . 67
Daily mean discharge . . . 135
Willow Creek near Adin
Station description and data summary . . . 67
Daily mean discharge . . . 73
Wolf Creek at Greenville
Station description and data summary . . . 68
Daily mean discharge . . . 109
Wolf Creek near Wolf
Station description and data summary . . . 68
Daily mean discharge . . . 115
Yolo Bypass at Liberty Island
Station description and data summary . . . 68
Daily maximum and minimum gage heights . . . 233
Yolo Bypass at Lindsey Slough
Station description and data summary . . . 68
Daily maximum and minimum gage heights . . . 237
Yolo Bypass at Lisbon
Station description and data summary . . . 68
Daily maximum and minimum gage heights . . . 228
Yolo Bypass above Sacramento Bypass
Station description and data summary . . . 68
Daily mean gage height . . . 202
Yolo Bypass near Woodland
Station description and data summary . . . 68
Daily mean discharge . . . 126
Daily mean gage height . . . 201
Yuba River at Englebright Dam
Station description and data summary . . . 69
Daily mean discharge . . . 112
Daily mean gage height . . . 193
Yuba River near Marysville
Station description and data summary . . . 69
Daily mean discharge . . . 114
Daily mean gage height . . . 194
Lahontan Area
Bidwell Creek near Fort Bidwell
Station description and data summary . . . 325
Daily mean discharge . . . 327
Blackwood Creek near Tahoe City
Station description and data summary . . . 325
Daily mean discharge . . . 330
Cedar Creek at Cedarville
Station description and data summary . . . 325
Daily mean discharge . . . 327
Eagle Creek at Eagleville
Station description and data summary . . . 325
Daily mean discharge . . . 328
Eagle Lake near Susanville
Station description and data summary . . . 325
Daily elevation . . . 332
Gold Run Creek near Susanville
Station description and data summary . . . 325
Daily mean discharge . . . 329
Long Valley Creek near Doyle
Station description and data summary . . . 325
Daily mean discharge . . . 330
Pine Creek near Susanville
Station description and data summary . . . 326
Daily mean discharge . . . 328
Trout Creek near Tahoe Valley
Station description and data summary . . . 326
Daily mean discharge . . . 331
Upper Truckee River near Meyers
Station description and data summary . . . 326
Daily mean discharge . . . 331

ALPHABETICAL INDEX TO TABLES (continued)

Page

STREAM FLOW AND STAGES (continued)
- Lahontan Area (continued)
  - Willow Creek near Litchfield
    - Station description and data summary . . . 326
    - Daily mean discharge . . . 329
  - Natural Unimpaired, Major Streams to Central Valley . . . 25
  - North Coastal Area
    - Big Creek near Hayfork
      - Station description and data summary . . . 11
      - Daily mean discharge . . . 19
    - Browns Creek near Douglas City
      - Station description and data summary . . . 11
      - Daily mean discharge . . . 18
    - Canyon Creek near Kelsey Creek Guard Station
      - Station description and data summary . . . 11
      - Daily mean discharge . . . 17
    - East Fork Scott River at Callahan
      - Station description and data summary . . . 11
      - Daily mean discharge . . . 14
    - Etna Creek near Etna
      - Station description and data summary . . . 11
      - Daily mean discharge . . . 16
    - Little Shasta River near Montague
      - Station description and data summary . . . 11
      - Daily mean discharge . . . 13,14
    - Moffett Creek near Fort Jones
      - Station description and data summary . . . 11
      - Daily mean discharge . . . 16
    - North Fork Trinity River at Helena
      - Station description and data summary . . . 12
      - Daily mean discharge . . . 19
    - Shackleford Creek near Mugginsville
      - Station description and data summary . . . 12
      - Daily mean discharge . . . 17
    - Shasta River near Weed
      - Station description and data summary . . . 12
      - Daily mean discharge . . . 13
    - South Fork Scott River near Callahan
      - Station description and data summary . . . 12
      - Daily mean discharge . . . 15
    - Sugar Creek near Callahan
      - Station description and data summary . . . 12
      - Daily mean discharge . . . 15
    - Weaver Creek near Douglas City
      - Station description and data summary . . . 12
      - Daily mean discharge . . . 18
  - Summary of Monthly Stream Flow . . . 27,29,31

TIDE STAGES . . . See "Stream Flow and Stages"

UTILIZATION SUMMARY . . . 252

HARVEY O. BANKS
DIRECTOR

EDMUND G. BROWN
GOVERNOR

ADDRESS REPLY TO
P. O. BOX 388 SACRAMENTO 2
1120 N STREET HICKORY 8-4711

STATE OF CALIFORNIA
Department of Water Resources
SACRAMENTO

December 10, 1960

Honorable Edmund G. Brown, Governor,
and Members of the Legislature
of the State of California

Gentlemen:

I have the honor to transmit herewith Bulletin No. 23-58, "Surface Water Flow for 1958." The basic data concerning water supply, stream flow, water stages, diversions, utilization, and salinity are presented in this report on an areal basis in accordance with the subdivision of the State into hydrographic areas.

This report continues the publication of water flow and utilization data collected and published as part of the Sacramento-San Joaquin Water Supervision Program, as well as pertinent water supply data gathered under other current programs of the department.

Very truly yours,

Harvey O. Banks

HARVEY O. BANKS
Director

FOREWORD

This report presents to the user the extensive and varied basic hydrographic data resulting from thousands of measurements and observations of surface water flow and usage.

The three predominant types of data - stream flow, stages, and diversions - are presented for time periods related to their occurrence and use: viz., stream flow, for the 1957-58 water year (October 1, 1957, through September 30, 1958); stages, for the period November 1, 1957, through June 30, 1958, encompassing the interval of high water flows occurring in California streams; and diversions, for the diversion period November 1, 1957, through October 31, 1958, which includes the agricultural season of the 1958 calendar year.

ACKNOWLEDGEMENT

A large amount of the basic data presented in this report was obtained with the cooperation and assistance of many individuals, corporations, political subdivisions, and governmental agencies. It is gratifying to receive and to acknowledge this assistance. The fact that the assistance has been whole-hearted and objective is evidence of the interest shown in the water supplies of California and the importance given to basic water resource data by these agencies.

ORGANIZATION

DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING

Harvey O. Banks	Director of Water Resources
Ralph M. Brody	Deputy Director
James F. Wright	Deputy Director
William L. Berry	Chief, Division of Resources Planning
Irvin M. Ingerson	Chief, Engineering Services Branch

Activities covered by this report were under the direction of

Charles A. McCullough — Principal Hydraulic Engineer

Supervisor of activities covered by this report was

Floyd I. Bluhm* — Senior Hydraulic Engineer

Assisted by

J. Douglass Locke — Senior Civil Engineer
in charge of the Office Engineering Group

Edward J. Labrie — Senior Hydraulic Engineer
in charge of the Stream Flow and Diversion Groups

Collection and computation of hydrographic data were supervised by

Joseph L. Clausse	Associate Hydrographer
Grant C. Ardell	Associate Hydrographer
Ernest G. Olsen	Assistant Hydraulic Engineer
Doris M. Jacinto	Assistant Civil Engineer

Correlation and compilation of material covered by this report were supervised by

Durand J. Stieger — Civil Engineering Technician

Maps and plates were prepared under the direction of

John L. James — Supervisor of Drafting Services

Paul M. Barnes	Chief, Division of Administration
Porter A. Towner	Chief Counsel
Isabel C. Nessler	Coordinator of Reports

* A large part of the data for this report was gathered under the supervision of Vernon Bengal, Supervising Hydraulic Engineer.

ORGANIZATION

DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
(continued)

Field and Office Personnel

Claire H. Epperson	Associate Hydrographer
in charge of Colusa field office	
Laurence O. Grossnickle, Jr.	Assistant Hydrographer
in charge of Fresno field office	
A. B. Myers	Associate Hydrographer
in charge of Modesto field office	
Linwood L. Bates	Assistant Hydraulic Engineer
in charge of Redding field office	
Cledith L. Chastain	Associate Hydrographer
in charge of Sacramento field office stream flow	
Walter D. McIntyre	Associate Hydrographer
in charge of Sacramento field office diversions	
Linton A. Brown	Assistant Hydraulic Engineer
in charge of Susanville field office	

William A. James	Civil Engineering Associate
John C. Etchells	Assistant Hydraulic Engineer
Robert W. Grimshaw	Assistant Hydraulic Engineer
Norman E. Grussenmeyer	Assistant Hydraulic Engineer
Kenneth E. Morgan	Assistant Hydraulic Engineer
Emil M. Padjen	Assistant Hydraulic Engineer
Paul E. Simpson	Assistant Hydraulic Engineer
Charles D. Skinkle	Assistant Hydraulic Engineer
Alfred E. Welsh	Assistant Hydraulic Engineer
Patrick E. Logan	Assistant Civil Engineer
Erle W. Danley, Jr.	Assistant Hydrographer
Keithal B. Dick	Assistant Hydrographer
Gabriel J. Gillotti	Junior Civil Engineer
Douglas E. Martin	Junior Civil Engineer
John E. Schaffer	Junior Civil Engineer
Seth K. Barrett	Civil Engineering Technician
Newell E. Burtis	Junior Hydrographer
John R. Deglow	Junior Hydrographer
Richard B. Farnsworth	Junior Hydrographer
Joe Ferreira	Junior Hydrographer
Dan W. Gallagher	Junior Hydrographer
Donald R. Henley	Junior Hydrographer
Charles G. Hodge	Junior Hydrographer
Ronald Libby	Junior Hydrographer
Lester L. Lighthall	Junior Hydrographer
Steve Makis, Jr.	Junior Hydrographer
Julaine A. Patton	Junior Hydrographer
William T. Walls	Junior Hydrographer
James W. Dozier	Engineering Aid II
Richard G. Johnson	Engineering Aid II
Robert L. Pleines	Engineering Aid II
Donald Werner	Engineering Aid II
Merlyn W. Adams	Hydrographic Aid
Jesse M. Diaz	Hydrographic Aid
Arthur J. Horton	Hydrographic Aid
Carmen Contreras	Engineering Aid I
Sharon G. Dixon	Intermediate Typist-Clerk
Myrtle Paletta	Intermediate Typist-Clerk
Ruby T. Wilson	Intermediate Typist-Clerk
Martha E. Wathen	Blueprinter

INTRODUCTION

General

This report of Surface Water Flow presents data for the water year ending September 30, 1958. The current data for the area covered by the "Report of Sacramento-San Joaquin Water Supervision," published annually for the period 1924 through 1955, are included in the section of this report entitled Central Valley Area. Also included in this report are the current water stage data for stations located within the area covered by "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys," published for the period 1913 to 1956.

Records are presented in this report for three of the seven major hydrographic areas of the State and are grouped according to those areas. The three areas are:

North Coastal Area

Central Valley Area

Lahontan Area

The tabular data presented herein are shown under five general categories as follows: stream flow; water stages; diversions of water; summary; and supplementary data including precipitation, unimpaired runoff, and salinity.

The three plates included in this report show the following information:

Plate 1 shows the location of surface water measurement stations within the hydrographic areas; by appropriate symbol, the type of information obtained at the stations; and the area of measurement of diversions.

Plate 2 shows lines of annual maximum salinity encroachment in the Sacramento-San Joaquin Delta and Upper Bays.

Plate 3 shows hydrographs of reservoir operation for Shasta Lake, Folsom Reservoir, and Millerton Lake.

Programs

The information concerning water supply, stream flow, water stages, diversions, water utilization, and salinity, presented in this report, is obtained in accordance with several programs of the Department of Water Resources and with cooperative agreements with other agencies.

Sacramento-San Joaquin Water Supervision Program. This program, initiated in 1924, is carried on to gather basic data relating to water supply and utilization in the Sacramento and San Joaquin Valleys for the purpose of developing coordination between the supply and the several and varied uses of the water. Authorization for this program is provided by Sections 225 and 226 of the California Water Code.

Sacramento River Trial Distribution Program. This program, initiated in 1954, is aimed toward reaching a negotiated settlement between the local water users along the Sacramento River and in the Delta and the Bureau of Reclamation regarding their respective entitlements to the use of water and regarding provisions for a supplemental water supply.

Feather River Trial Distribution Program. The objective of this program which has been in progress since 1956, is to reach an agreement between local water users along the Feather River and the State of California regarding their respective entitlements to the use of water of this river and regarding provisions for supplemental water supplies from the Feather River Project.

enclosed by a topographic divide in which all surface runoff will drain by gravity into the stream above the specified point.

Unimpaired flow is the flow at a point that would occur naturally in a stream if there were: (1) no upstream controls due to dams and reservoirs; (2) no artificial diversions or accretions; and (3) no artificial changes in ground water aspects. Unimpaired flow is computed from measured runoff by allowing for man-made changes in the natural conditions.

Water year is the 12-month period from October 1 of any year through September 30 of the subsequent year, and is designated by the calendar year in which it ends.

Consumptive use refers to the water transpired, evaporated, and used in promoting vegetative growth and to the water evaporated from soil and water surfaces adjacent to the place of use.

EXPLANATION OF TABULAR DATA

The tabular data presented herein are divided into the five general categories of stream flow, stages, diversions and acreages irrigated, summary including station descriptions, and supplementary data.

Stream Flow Tables

General. The stream flow tables are arranged in downstream order to facilitate the determination of the coverage of a given drainage area. Also, all stations on a tributary entering above a main stem station are listed before that station. Stations on a tributary entering between two main stem stations are listed between those stations. Included with the stream flow tables are tables showing reservoir contents in acre-feet.

The name of a stream gaging station is determined from the name of the nearest post office (Feather River at Yuba City) or well-known landmark (San Joaquin River at Fremont Ford Bridge). In order to locate a specific station, reference should be made to the Alphabetical Index to Tables, to the Gaging Station Description and Data Summary tables, or to Plate 1, showing the location of gaging stations by colored wedges.

Accuracy. All stream flow data reported herin are derived through the use of mechanical, arithmetical and empirical operations. Since the results are affected by inherent inaccuracies in the procedures and equipment used, it becomes necessary to establish limits of accuracy for which the data are reported. The following is a listing of significant figures for stream flow data:

1. Daily flows - second-feet

0.0 - 9.9	Tenths
10 - 99	2 significant figures
100 up	3 significant figures

2. Means - second-feet

0.0 - 99.9	Tenths
100 - 999	3 significant figures
1000 up	4 significant figures

The water year totals are reported to a maximum of four significant figures.

Content. The stream flow tables show daily mean discharge in second-feet and monthly mean discharge in second-feet and acre-feet. The total runoff in acre-feet for the water year is given at the bottom of the table.

Stages Tables

General. Two types of daily data are presented on the height of water surface, or stage: (1) daily maximum and minimum gage heights, for those areas subject to tidal action; and (2) daily mean gage height, or an average of one or more daily staff-gage or wire-weight gage readings, for those areas beyond tidal influence. Of the 126 stations for which daily stages are presented in this report, 63 have computed daily mean flow included in the stream flow tables. The remaining 63 stations, reported for stage only, have their locations shown on Plate 1 by blue wedges.

Crest stages occurring during the period November 1957 through June 1958 are included for historical reference and for use in flood control levee maintenance, flood frequency studies, and design of hydraulic structures. A maximum of eight crest stages is reported for any one station.

Accuracy. Gage heights for stages tables are read in the field or computed from recorder charts and are reported to the tenth of a foot.

Content. Daily gage heights in feet are tabulated for each day of the period from November 1 through June 30. To obtain the elevation of the water surface at the gaging station, add the gage height readings to the elevation of the gage datum given in Tables 1, 23, and 402. Following the daily stage data are crest stages in feet with date and time of occurrence.

Diversions and Acreages Irrigated Tables

General. These tables show the water diverted during the period from November 1 through October 31 and the acreage irrigated thereby. While the major use of water is for agriculture, the small amounts diverted in some reaches for municipal and industrial use are also reported.

Accuracy. Because of the intermittent operation of most diversion facilities, the monthly diversions values are reported in acre-feet and to a maximum of three significant figures. The totals for individual water users and stream reaches are reported to a maximum of four significant figures.

Content. The information in the diversions tables includes the name of each diverter, the location of the point of diversion indicated in miles from a given reference point, the monthly and total amounts of water diverted, and the amount of acreage irrigated. The method of diversion, whether by gravity or pump, is also indicated. The size of the pump, given in inches, refers to the inside diameter of the discharge flange on the pump scroll.

Irrigation of the many types of crops grown varies in quantity of water application. However, as there is a major variation for rice application, amounting to about twice as much water as the average applied to the other crops, the irrigated acreage is divided according to category of crop. The two crop categories used are general and rice.

Average diversions in cubic feet per second and monthly use in per cent of annual use are presented in the tables at the end of each reach of stream. The monthly use in per cent of annual is the relation of the total water diverted during any month to the total for the 12-month diversion period.

Summary Tables

General. The tabular comparisons showing the occurrences and uses of water result in the production of distinctive types of information. The uses of these data are many. In California where various water uses, flood control, navigation, and conservation development vie for priority

and are interrelated, certain summary and correlative tables are in order. These tables are essential in order to provide ready reference and comparison.

Supply and Utilization. Inherent in the consideration of water conditions is the relationship between supply and utilization. This is of particular consequence during years of subnormal runoff when the demand equals or exceeds the supply. For this reason, correlative tables (20, 21, and 22) bringing together supply and demand are presented for the Sacramento and San Joaquin Rivers and tributaries and the Tule River. Along with the quantity of stream flow, flow from drains, and diversions, quantities of unmeasured accretions are shown. The accretions result from such factors as release from, or retention in, bank storage; evaporation; return flow; unmeasured minor tributaries; and other related factors.

These summary tables show quantities which vary greatly in magnitude. Therefore, for ease of use, all quantities are shown to the nearest one thousand acre-feet. If a closer analysis of a stream or reach is needed, reference should be made to the individual stream flow or diversions tables, numbers for which are shown in the column preceding the monthly figures.

Delta Service Area. The complexity of waterways, tidal action, seepage, and methods of agricultural water use (a combination of subirrigation and surface application), results in hydrologic problems which preclude normal methods of measuring supply and demand. This area is divided into uplands and lowlands (boundaries shown on Plate 2).

The correlation of water supply and utilization for the Delta Service Area is shown in Table 19. The water supply available to the area is determined from 13 gaging stations, listed under "Water Supply" in the table, and from precipitation stations in the area. "Water Utilization" in the same table includes agricultural use and evaporation within the area, exportations through the Delta-Mendota and Contra Costa Canals, and diversions by the City of Vallejo. The agricultural use in the uplands is determined by water diversion measurements; however, in the lowlands, because it cannot be measured directly, agricultural use is determined by unit consumptive crop usages multiplied by crop acreages. Unit consumptive use factors were derived from early experimental work at Davis by the University of California and California Extension Service. Crop acreages are determined by periodic land use surveys, the most recent of which was made in 1955.

Utilization. Summaries of diversions, by streams, for the last 10-year period are given in Tables 352 through 362. The data are given for each month in acre-feet, cubic feet per second, and the monthly percentage in relation to the seasonal total. Table 351 correlates the data in the foregoing eleven tables by showing the comparison of the average monthly percentage use for each stream for the 10-year period. Table 363 summarizes, for the Sacramento River above Sacramento, the acreages irrigated as well as diversions for the last 10 years.

A seasonal summary of water utilization in the Sacramento-San Joaquin Valley during the last 10-year period, is presented in Table 350. The gross duty tabulated for the March through October irrigation season shows both the amount of water diverted in acre-feet per acre irrigated and, inversely stated, the number of acres irrigated per one second-foot average diversion rate.

Gaging Stations. Tables 1, 23, and 402 provide a station description and summarize current and historical data for each gaging station reported. These tables show in tabular form the station location, maximum discharge for the 1957-58 water year and of record, total discharge for the 1957-58 water year and for the 1957 calendar year, period of record by month and year, and the

gage datum for each station. Station location is tabulated by latitude and longitude, as well as by quarter-section, section, township, and range.

Maximum discharge is usually represented by values in the higher range of the rating curve (a graph of the station's stage-discharge relation) and is therefore reported to a maximum of three significant figures.

Each station's gage is referenced to a well established datum plane elevation wherever such datum is known. Some gages are referenced only to arbitrarily assumed local datum planes, denoted as "local" in the reference datum column. All gage heights are in feet.

Additional information given in these tables includes hydrographic and other special information pertaining to the individual gaging stations.

Supplementary Tables

General. The supplementary tables include data directly related to the surface water program of the department and are presented for general information purposes. Information is given on precipitation, unimpaired runoff, and salinity.

Precipitation. Table 16 presents the monthly precipitation data for the water year for several atations in the Sacramento and San Joaquin Valleys from Shasta Dam to Fresno. The stations are not necessarily representative of the rainfall in any definite watershed or area, but give a general indication of the rainfall on the Central Valley floor.

Unimpaired Runoff. The relative magnitude of runoff occurring on any one stream for a given year is determined by comparing the natural or unimpaired runoff of that year with the mean unimpaired runoff of the stream over a long period of years. For this report, runoff comparisons are based on percentages of average determined for the 50-year period October 1905 through September 1955. Table 17 gives the 1957-58 monthly unimpaired runoff as a per cent of the 50-year average monthly unimpaired runoff for major streams of the Central Valley Area. Table 18 shows the unimpaired average annual flows for the same streams, and the annual unimpaired runoff in per cent of the 50-year average for each water year from 1919-20 through 1957-58.

Salinity. The seasonal intrusion of saline waters into the Sacramento-San Joaquin Delta area has been of concern for many years. Table 399 lists the salinity sampling stations. The stations are listed commencing with the Golden Gate as zero milea and proceeding through the bay system to the delta area. The salinity samples, when possible, are taken at four-day intervals and one and one-half hours after high-high tide. The observed concentrations of salinity are given in Table 401. The geographical locationa of these stations are given on Plate 2, together with the line of maximum salinity encroachment (the line of 1000 parta of chloride per 1,000,000 parts of water) for the current water year and for other water years of historical interest.

DEPARTMENT REPORTS OF BASIC WATER RESOURCE DATA

Reports issued annually by the Department of Water Resources designed primarily to record basic hydrologic data and to present conditions of water supply directly related thereto include the following: (The year indicated is that of the latest publication as of December 1960.)

Bulletin Series No.	Name
23	Surface Water Flow for 1958 (Formerly Sacramento-San Joaquin Water Supervision.)
39	Water Supply Conditions in Southern California during 1957-58
65	Quality of Surface Waters in California, 1956-1957
66	Quality of Ground Waters in California, 1957
77	Ground-Water Conditions in Central and Northern California, 1957-58
--	Water Conditions in California, February, March, April, May, and October 1960 (Basic data supplements to these reports are available for the months February through May 1960.)

NORTH COASTAL AREA

NORTH COASTAL AREA

Introduction

The North Coastal Area extends for about 270 miles along the coast from the California-Oregon line south to the northern boundary of the Lagunitas Creek basin in Marin County. It ranges in width from 180 miles at the Oregon boundary to 30 miles in the southern portion. The topography of the area is predominantly mountainous, with many peaks above 6,000 feet. Mount Shasta, at elevation 14,161 feet, is the highest peak in the region. Stream flow is sustained through the summer and early fall by ground water seepage from a thick, absorptive soil mantle.

Tabular Information

On the following pages are the data for 13 gaging stations for the 1958 water year.

TABLE 1

GAGING STATION DESCRIPTION AND DATA SUMMARY
NORTH COASTAL AREA

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
BIG CREEK NEAR HAYFORK																
40 33 11	123 08 35	SE 7 31N 11W	1540E	9.25	2/18/58	1540E	9.25	2/18/58	59470		FEB 57-DATE	FEB 57-DATE	1957		0.00	LOCAL
Station located 30 ft. above Hayfork-Douglas City Highway bridge, 2 mi. E of Hayfork. Tributary to South Fork Trinity River via Hayfork Creek. Flow influenced by upstream diversion dam of City of Hayfork. Drainage area is 27.3 sq. mi.																
BROWNS CREEK NEAR DOUGLAS CITY																
40 38 35	122 58 46	SE10 32N 10W	3950E	16.60	2/18/58	3950E	16.60	2/18/58	157900		JAN 57-DATE	JAN 57-DATE	1957		0.00	LOCAL
Station located at private bridge, 2.1 mi. W of Douglas City. Tributary to Trinity River. Drainage area is 71.4 sq. mi.																
CANYON CREEK NEAR KELSEY CREEK GUARD STATION																
41 37 42	123 06 17	SW27 44N 11W	814E	97.89	2/15/58				90200	58370	OCT 50-JUL 55 JUN 56-DATE	OCT 50-JUL 55 JUN 56-DATE	1956		94.00	LOCAL
Station located 1.5 mi. S of Kelsey Creek Guard Station, 14 mi. W of Fort Jones. Tributary to Scott River. Drainage area is 24.4 sq. mi.																
EAST FORK SCOTT RIVER AT CALLAHAN																
41 18 40	122 47 58	SW16 40N 8W	5880E	10.31	2/24/58	9300	10.46	12/21/55	186000	87920	OCT 52-DATE	OCT 52-DATE	1952		0.00	LOCAL
Station located at old highway bridge, immediately N of Callahan. Drainage area is 114 sq. mi.																
ETNA CREEK NEAR ETNA																
41 25 53	122 54 57	NE 6 41N 9W	2950E	100.61	1/29/58				69160	43020	SEP 50-JUN 55 JUN 56-DATE	SEP 50-JUN 55 JUN 56-DATE	1957		0.00	LOCAL
Station located S of Sawyers Bar-Etna Highway, 2.1 mi. SW of Etna. Tributary to Scott River. Flow influenced by upstream diversion dam of City of Etna. Drainage area is 20.1 sq. mi.																
LITTLE SHASTA RIVER NEAR MONTAGUE																
41 45 11	122 17 58	NW15 45N 4W	741E	4.76	11/13/57				21070	15950	28-NOV 51δ APR 52-APR 55 SEP 56-DATE	28-NOV 51δ APR 52-APR 55 SEP 56-DATE	1956		0.00	LOCAL
Station located S of Ball Mountain Road, 12 mi. NE of Montague, 16 mi. SW of MacDoel. Stage-discharge relationship at times affected by ice. Revised 1957 data included. Drainage area is 48.1 sq. mi.																
MOFFETT CREEK NEAR FORT JONES																
41 38 01	122 44 46	NE27 44N 8W	1880E	4.39	1/29/58				30150		OCT 52-OCT 54 JUN 57-DATE	OCT 52-OCT 54 JUN 57-DATE	1957		0.00	LOCAL
Station located 90 ft. above Old Fort Jones-Yreka Highway bridge, 5.1 mi. NE of Fort Jones. Tributary to Scott River. Drainage area is 69.8 sq. mi.																

E - Estimated δ - Irrigation season only # - Flood season only

TABLE 1

GAGING STATION DESCRIPTION AND DATA SUMMARY
NORTH COASTAL AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD							PERIOD			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO	ZERO ON GAGE	REF DATUM
NORTH FORK TRINITY RIVER AT HELENA																
40 46 56	123 07 39	SW21 34N 11W	11000E	18.35	2/24/58	11000E	18.35	2/24/58	563800		JAN 57-DATE	JAN 57-DATE	1957		0.00	LOCAL
Station located 1.0 mi. above mouth, 0.6 mi. N of Helena. Drainage area is 151 sq. mi.																
SHACKLEFORD CREEK NEAR MUGGINSVILLE																
41 35 11	123 00 12	SW 9 43N 10W	491E	98.15	11/13/57				55680	38630	OCT 50-SEP 55 JUN 56-DATE	OCT 50-NOV 55 JUN 56-DATE	1956		90.00	LOCAL
Station located 2.8 mi. NW of Mugginsville, 8.4 mi. W of Fort Jones. Tributary to Scott River. Drainage area is 17.7 sq. mi.																
SHASTA RIVER NEAR WEED																
41 24 30	122 25 50	SW 9 41N 5W					16.68	2/24/58			JAN 58-DATE	JAN 58-DATE	1958			LOCAL
Station located 300 ft. below Edgewood Road bridge, 2.8 mi. SW of Weed. Drainage area is 26.6 sq. mi.																
SOUTH FORK SCOTT RIVER NEAR CALLAHAN																
41 17 46	122 48 34	SE20 40N 8W	2160E	5.63	2/24/58	7000E	11.14	12/22/55	127200	74720	OCT 52-DATE	OCT 52-DATE	1956		0.00	LOCAL
Station located 1.1 mi. SW of Callahan, 1.3 mi. above East Fork Scott River. Drainage area is 41.4 sq. mi.																
SUGAR CREEK NEAR CALLAHAN																
41 19 43	122 50 25	SW12 40N 9W	376E	7.63	11/13/57				23180		JAN 53-DEC 54 AUG 57-DATE	JAN 53-DEC 54 AUG 57-DATE	1957		0.00	LOCAL
Station located 1.5 mi. above mouth, 2.5 mi. NW of Callahan. Tributary to Scott River. Drainage area is 12.0 sq. mi.																
WEAVER CREEK NEAR DOUGLAS CITY																
40 40 13	122 56 33	SE36 33N 10W		10.33	2/24/58		10.33	2/24/58	102300		JAN 57-DATE	JAN 57-DATE	1957		0.00	LOCAL
Station located 0.2 mi. below U. S. Highway 299 bridge, 1.2 mi. N of Douglas City, 4.2 mi. S of Weaverville. Tributary to Trinity River. Drainage area is 48.4 sq. mi.																

E - Estimated δ - Irrigation season only # - Flood season only

TABLE 2

DAILY MEAN DISCHARGE
SHASTA RIVER NEAR WEED

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					91	125	88 E	105	138 E	86	36 E	8.1
2				49 E	114	108	90 E	117	138 E	77	36 E	7.7
3				43	135	100	91 E	132	138 E	60	35 E	6.8
4				38	166	91	95 E	140	138 E	132	27 E	6.3
5				35	139	84	98 E	153	138 E	138	28	6.3
6				33	137	79	102 E	153	138 E	138 E	26	6.0
7				32	219	75	107 E	138	121	117 E	24	6.3
8				34	152	69	108 E	146	121	83 E	21	8.1
9				38	131	65	110 E	174	125	69 E	20	7.4
10				58	117	61	110	205	121	57 E	19	7.4
11				48	121	59	115	306	117	57 E	19	7.1
12				76	229	54	125	207	146	59 E	19	8.8
13				58	139	54	155	155	115	59 E	17	10
14				46	135	52	166	146	112	60 E	15	9.5
15				43	154	49	169	157	119	60 E	14	9.5
16				45	216	45	172	189	125	49 E	13	9.1
17				44	306	43	194	237	134	49 E	14	8.8
18				40	675	40	176	268	142	50 E	14	8.8
19				37	500	38	157	249	151	50 E	21	8.4
20				37	319	162	162	202	144 E	52 E	15	8.4
21				35	250	172	179	187 E	137 E	52 E	13	9.1
22				32	222	100	176	187 E	130 E	42 E	11	14
23				31	216	146	136	187 E	123 E	42 E	11	15
24				38	1600 E	105	108	187 E	116 E	43 E	11	12
25				42	558	88	95	187 E	109 E	43 E	10	11
26				59	302	76	90	162 E	102 E	44 E	10	13
27				45	202	77 E	83	162 E	96	45 E	10	13
28				92	151	79 E	84	162 E	90	45 E	9.8	13
29				226		80 E	88	162 E	81	36 E	9.1	12
30				129		81 E	95	159 E	77	36 E	8.8	12
31				110		83 E		159 E		36 E	8.8	
Mean					275	81.9	124	177	123	63.4	17.6	9.4
Ac-Ft					15260	5038	7386	10870	7303	3900	1082	561

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 3

DAILY MEAN DISCHARGE
LITTLE SHASTA RIVER NEAR MONTAGUE*

In second-feet

Date	1956			1957								
	Oct.	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		11 E	13 E	3.0		54	62	40	29	9.8	4.5	3.0
2		11 E	12 E	3.5		45	52	38	26	9.4	4.5	2.8
3		12 E	11 E	2.2		39	48	36	24	9.0	4.3	3.0
4		13 E	9.0E	1.4		66	46	41	25	8.2	4.3	2.8
5		13 E	7.8E	1.7		86	48	44	24	7.8	4.0	2.8
6		12 E	11 E	1.6		94	47	45	24	7.4	4.0	2.8
7		12 E	11 E	2.6	10 E	74	36	47	22	7.4	4.0	2.6
8	5.1E	12 E	11 E	1.9		60	36	46	19	7.4	4.0	2.6
9		12 E	11 E	2.4		55	36	45	24	7.1	4.0	2.6
10		11 E	11 E	2.6		44	36	44	23	7.1	3.8	2.6
11		12 E	48 E	4.0		72	36	45	18	7.1	4.0	2.6
12		11 E	49 E	4.5		94	35	44	14	6.4	4.0	2.6
13		11 E	82 E	7.8		67	33	44	12	6.4	4.0	2.8
14		9.8E	30 E	5.4	34 E	52	40	44	18	6.7	4.0	2.8
15		9.4E	18 E	3.8	25 E	42	32	42	19	6.7	4.0	2.8
16		11 E	16 E	2.8	14	40	30	40	17	6.7	4.0	2.8
17		14 E	11 E	2.6	17	36	29	40	16	6.4	3.8	2.8
18	8.6E	13 E	10 E	4.3	15	44	34	72	16	6.0	3.8	2.8
19	7.4E	9.8E	8.2E	5.4	11	56	48	76	15	6.0	3.8	3.0
20	7.1E	13 E	7.4E	2.8	10	56	43	61	15	5.7	3.5	3.0
21	7.1E	12 E	6.7E	3.8	11	41	35	50	15	5.7	3.5	2.8
22	7.1E	13 E	8.2E		13	31	31	45	14	5.7	3.3	2.6
23	7.8E	12 E	8.2E		15	29	30	41	13	5.7	3.3	2.6
24	7.8E	12 E	7.1E		192	35	28	39	12	5.1	3.0	2.6
25	9.8E	9.8E	6.4E		112	97	26	38	12	4.8	3.3	3.0
26	15 E	9.8E	6.0E	10 E	228	74	27	36	11	4.8	3.3	3.8
27	10 E	11 E	5.4E		123	55	30	36	11	4.8	3.3	31
28	9.8E	12 E	5.1E		72	60	37	33	11	4.8	3.3	8.2
29	9.8E	11 E	5.1E			61	39	35	10	4.5	3.3	5.4
30	22 E	9.4E	5.4E			55	42	34	9.8	4.5	3.8	4.8
31	13 E		4.8E			66		33		4.5	3.3	
Mean	7.2	11.5	14.7	5.5	36.5	57.4	37.7	43.7	17.3	6.4	3.8	4.1
Ac-Ft	454	684	904	338	2027	3531	2245	2686	1029	396	232	243

E — Estimated NR — No Record

Total Discharge in Acre-Feet 14770

* Revised 1957 water year record.

TABLE 4

DAILY MEAN DISCHAROE
LITTLE SHASTA RIVER NEAR MONTAOUE

In second-feet

Oate	1957			1958									
	Oct.	Nov	Dec	Jon.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.4	4.8	7.8	19	[illegible]	53	38	53	43	19	7.8	4.8
2	5.4	4.5	7.8	19	28	48	31	57	50	18	8.2	5.1
3	6.7	4.5	7.8	16	28	46	33	57	83	16	7.8	4.8
4	6.7	4.5	7.4	14	27	40	27	57	47	15	7.8	5.1
5	9.8	4.8	7.4	13	31	39	26	60	39 E	14	7.4	5.1
6	9.8	4.5	7.8	14	30	36	25	60	36 E	14	7.1	4.8
7	9.4	4.8	9.0	14	41	30	25	61	35	14	6.7	4.8
8	8.2	5.4	7.8	13	43	30	29	62	33	14	6.4	6.0
9	13	5.1	7.1	13	31	32	36	64	35	13	6.7	5.7
10	10	6.4	7.4	13	30	30	45	70	34	13	6.7	5.4
11	7.8	6.7	7.1	13	30	28	47	99	31	12	6.7	5.4
12	7.1	6.7	6.7	12	96	25	50	76	30	12	6.4	5.4
13	19	252	6.4	13	57	25	58	70	28	11	6.4	5.4
14	18	126	6.4	12	64	23	75	75	26	12	6.4	5.7
15	9.8	45	6.7	16	171	25	68	78	25	13	6.4	5.7
16	7.8	26	14	18	194	24	68	74	25	15	6.4	5.4
17	6.4	18	12	18	138	26	84	71	24	16	6.7	5.4
18	5.4	24	13	16	116	24	76	70	26	14	6.0	5.4
19	5.1	29	13	14	109	24	76	70	34	13	6.4	5.1
20	5.1	29	19	15	105	27	81	67	26	11	6.4	5.1
21	4.8	23	103	13	90	33	76	64	21	11	6.0	5.4
22	4.5	15	27	13	85	29	70	64	19	11	6.0	6.7
23	7.4	15	16	15	86	29	57	63	22	10	5.7	6.4
24	7.1	14	14	14	136	31	52	61	22	12	5.7	5.7
25	6.4	12	18	13	136	36	48	57	18	11	5.4	5.7
26	6.4	12	24	13	96	31	47	55	18	9.4	5.4	5.4
27	5.1	9.4	44	13	75	31	45	49	17	9.4	5.4	5.4
28	5.1	9.8	119	107	62	30	45	48	16	9.0	5.4	5.7
29	4.8	9.0	46	131		27	46	49	16	9.0	5.1	5.7
30	4.8	8.6	31	60		28	50	45	16	8.2	5.1	5.7
31	4.8		23	38		34		50		8.2	5.1	
Mean	7.6	24.6	20.9	23.4	77.4	31.4	51.1	63.1	29.8	12.5	6.4	5.4
Acr-Ft	470	1467	1283	1438	4298	1932	3043	3880	1775	768	391	324

E — Estimated NR — No Record

Total Oischarge in Acre-Feet 21070

TABLE 5

DAILY MEAN DISCHAROE
EAST PORK SCOTT RIVER AT CALLAHAN

In second-feet

Oate	1957			1958								
	Oct.	Nov	Oec.	Jon.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	59	53	156	279	461	396	333	439	128	56	13
2	20	57	51	175	444	396	432	392	591	126	53	12
3	22	56	50	133	612	349	361	451	547	106	51	12
4	22	54	50	114	771	305	313	481	437	109	49	12
5	26	53	49	95	484	279	298	537	396	128	45	12
6	24	52	48	86	389	251	305	537	383	124	41	10
7	25	51	48	75	1040	234	279	490	353	115	38 E	8.8
8	23	51	47	68	639	218	276	526	349	99	35	12
9	583	51	45	70	404	206	290	602	341	87	34	12
10	1230	53	44	112	294	194	333	715	345	85	33	12
11	487	52	43	80	333	185	366	1100	321	85	33	12
12	229	52	43	150	1130	177	383	766	329	83	29	12
13	271	577	42	106	453	171	432	542	302	79	24	13
14	162	700	42	80	413	163	466	486	302	73	25	13
15	109	295	46	84	532	161	471	516	321	73	24	13
16	79	203	235	82	1010	155	471	591	329	72	24	12
17	61	154	218	72	1260	145	516	703	329	78	24	12
18	58	135	205	62	2500	140	486	812	329	75	25	12
19	54	117	124	60	1550	138	437	860	366	72	24	11
20	52	103	107	57	902	492	447	740	329	73	26	9.5
21	50	90	431	54	597	605	476	734	298	69	26	9.5
22	48	83	242	52	491	370	456	753	294	68	24	12
23	405	74	162	51	451	432	357	779	276	135	23	17
24	299	68	133	52	3710	383	290	649	234	122	21	14
25	194	62	126	51	1700	305	255	569	206	97	20	13
26	154	60	122	55	968	265	241	553	194	79	17	12
27	115	58	176	52	703	238	234	532	182	71	17 E	13
28	94	57	490	199	553	222	244	501	158	67	17 E	14
29	79	55	326	1330		265	265	447	138	69	15 E	13
30	67	54	226	658		287	290	405	124	64	14 E	12
31	61		170	380		262		409		59	14 E	
Mean	165	120	135	156	879	273	362	597	318	89.4	29.1	12.2
Acr-Ft	10170	7113	8319	9622	48820	16770	21550	36720	18930	5494	1787	724

E — Estimated NR — No Record

Total Oischarge in Acre-Feet 186000

TABLE 6

DAILY MEAN DISCHARGE
SOUTH FORK SCOTT RIVER NEAR CALLAHAN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	55	54	117	159	278	106	261	440	159	41	12
2	19	52	54	108	165	242	117	316	485	145	42	12
3	21	49	49 E	101	168	220	113	348	392	135	42	12
4	24	44	45	99	196	200	110	372	353	132	39	12
5	27	42	45	97	190	183	101	435	353	130	33	12
6	27	40	48	97	171	171	93	440	348	127	32	11
7	25	39	58	95	224	165	89	424	325	125	29	12
8	27	39	53	91	210	159	91	468	316	120	26	13
9	205	38	50	91	174	154	95	546	312	113	24	12
10	334	44	49	95	156	137	108	660	320	106	23	12
11	212	40	42 E	91	178	130	113	930	299	97	23	12
12	159	50	35 E	99	348	130	130	646	299	97	23	12
13	236	824 E	34	99	235	130	148	491	273	91	21	15
14	154	534	34	93	269	130	168	457	278	85	20	14
15	114	257	39	132	419	104	183	509	307	81	20	14
16	89	180	85	120	591	101	206	572	325	83	19	13
17	74	151	76	113	509	99	273	696	343	93	17	13
18	64	156	79	110	1110 E	95	282	812	343	87	17	12
19	58	140	72 E	104	741 E	95	258	861	343	81	17	12
20	53	132	69	99	451	140	282	689	316	74	17	11
21	49	117	154	93	339	168	312	718	299	67	16	11
22	44	108	117	91	290	148	303	726	334	64	16	13
23	141	97	99	81	265	140	250	726	330	78	15	15
24	125	93	101	65	1360	130	210	598	273	79	15	13
25	112	89	120 E	62	845	125	193	578	242	79	15	12
26	110	81	104 E	64	491	120	183	585	231	65	14	12
27	93	76	132	64	377	110	177	553	217	59	13	12
28	80	67	358	164	316	99	177	491	193	53	11	12
29	71	65	213	477		106	200	446	174	49	12	11
30	64	59	159	299		106	220	435	156	45	12	11
31	59		130	203		104		440		44	13	
Mean	93.2	125	88.9	120	391	143	176	556	307	91.7	21.8	12.3
Ac-Ft.	5732	7454	5468	7367	21710	8765	10500	34170	18290	5639	1343	734

E — Estimated NR — No Record

Total Discharge in Acre-Feet 127200

TABLE 7

DAILY MEAN DISCHARGE
SUGAR CREEK NEAR CALLAHAN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.1	6.2	13	27	46	58	26	37	54	27	3.4	0.9
2	4.2	5.4	12	25	48	53	28	43	60	26	3.9	0.9
3	4.2	5.1	11	23	46	50	27	48	49	25	3.7	0.9
4	4.8	4.4	11	22	44	46	26	53	47	26	3.2	0.9
5	5.4	4.2	10	20	40	43	25	63	47	26	3.0	0.9
6	5.1	4.2	10	19	36	41	25	62	49	26	2.8	0.6
7	4.4	3.8	13	18	44	39	24	58	47	23	2.6	0.6
8	6.2	3.8	11	18	41	37	23	67	47	22	2.6	0.7
9	31	3.8	10	18	36	35	23	82	51	19	2.4	0.6
10	36	5.1	9.5	18	32	35	24	98	51	18	1.9	0.6
11	20	4.8	9.0	17	44	33	25	128	47	19	1.8	0.7
12	24	8.2	9.0	21	144	31	24	86	46	18	0.6	0.9
13	50	222	8.6	18	69	31	26	67	42	17	0.5	0.9
14	24	109	8.2	17	120	30	28	65	47	15	0.5	0.9
15	15	52	8.6	31	177	28	31	72	60	13	0.4	0.9
16	10	37	14	28	193	28	35	88	64	11	0.4	0.8
17	7.7	30	18	24	143	27	48	106	70	17	0.4	0.8
18	6.2	43	18	23	160	26	44	116	74	12	0.5	0.6
19	4.8	39	16	22	126	25	43	118	64	10	0.4	0.6
20	4.2	34	16	21	98	29	50	91	58	9.2	0.4	0.8
21	3.8	29	52	20	81	30	54	94	61	8.8	0.5	1.0
22	3.3	24	25	18	74	28	54	91	68	8.8	0.4	1.2
23	16	22	20	19	70	28	43	88	60	14	0.4	1.4
24	16	22	20	19	166	27	37	75	49	12	0.4	1.2
25	28	21	24	18	124	27	35	75	45	10	0.4	1.1
26	19	18	26	20	88	26	31	75	45	10	0.4	1.0
27	16	17	40	19	75	26	28	63	37	9.2	1.0	0.9
28	9.9	15	96	76	65	24	30	56	31	8.8	0.8	0.8
29	8.2	15	51	183		26	34	54	29	5.2	0.8	0.9
30	6.9	14	37	84		27	33	56	25	3.9	0.9	1.4
31	6.5		30	57		26		62		3.7	0.9	
Mean	13.1	27.4	21.2	31.1	86.8	32.9	32.8	75.4	50.8	15.3	1.4	0.9
Ac-Ft.	805	1630	1303	1910	4820	2023	1952	4635	3023	939	84	52

E — Estimated NR — No Record

Total Discharge in Acre-Feet 23180

TABLE 8

DAILY MEAN DISCHARGE
ETNA CREEK NEAR ETNA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.7	16	27	73	164	173	50	192	148	34	7.8	2.2
2	5.4	14	25	69	132	150	49	242	173	34	9.3	2.3
3	6.1	13	23	63	107	135	47	267	156	30	9.6	2.5
4	8.9	12	23	58	92	115	46	279	130	28	7.8	2.3
5	11	11	22	54	87	105	44	340	120	26	7.0	2.3
6	13	10	23	51	82	93	44	330	115	24	6.4	2.0
7	10	9.7	28	49	91	88	43	292	107	22	6.1	2.2
8	11	10	24	49	98	84	43	306	111	20	5.6	3.6
9	36	9.7	22	47	91	79	47	365	109	18	5.4	3.2
10	30	17	22	49	85	76	57	433	103	17	5.6	2.8
11	21	14	21	47	133	73	67	451	92	16	5.6	2.8
12	26	25	20	62	489	70	78	325	90	15	5.4	3.2
13	62	439	19	56	267	67	92	238	82	15	5.4	4.0
14	37	241	18	51	292	65	118	220	81	14	5.4	3.4
15	24	121	20	71	846	63	130	235	84	14	5.1	3.0
16	18	81	31	73	1190	60	153	297	85	14	4.2	2.8
17	14	66	34	70	734	58	231	360	88	17	4.2	2.8
18	12	77	31	68	642	55	220	393	92	15	4.0	2.8
19	11	76	33	65	489	55	196	371	84	14	3.8	2.7
20	10	72	52	61	161	57	223	320	72	12	3.6	2.5
21	9.2	65	131	56	302	60	254	315	69	11	3.6	2.5
22	8.7	55	74	52	267	58	238	288	67	12	3.4	3.2
23	47	49	54	57	258	58	176	284	63	12	3.4	3.8
24	42	46	53	59	694	57	142	235	55	11	3.4	3.2
25	59	43	67	57	558	56	122	223	49	11	3.6	3.0
26	45	40	98	54	350	54	115	216	47	9.6	3.6	2.8
27	32	36	101	54	258	53	111	199	43	9.3	2.7	2.8
28	26	33	213	150	209	51	120	176	39	8.1	2.5	2.7
29	22	30	148	1300		54	132	164	36	8.1	2.5	2.7
30	19	28	105	415		51	164	159	33	8.1	2.5	2.3
31	17		86	231		50		167		7.8	2.5	
Mean	22.5	58.6	53.2	118	327	74.9	118	280	87.4	16.4	4.9	2.8
AcrFt	1386	3490	3269	7281	18190	4608	7045	17220	5203	1006	300	167

E — Estimated NR — No Record

Total Discharge in Acre-Feet 69160

TABLE 9

DAILY MEAN DISCHARGE
MOFFETT CREEK NEAR FORT JONES

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	1.9	5.2	40	118	221	49	40 E	18	11 E	8.5E	2.7E
2	0.3	1.9	4.8	37	76	192	54	38 E	20	11 E	8.5E	3.0
3	0.4	3.0	3.2	32	63	138	56	37 E	21	11 E	9.0E	2.7
4	0.8	3.2	3.2	29	57	121	59	36 E	21	11 E	9.0E	2.5
5	0.9	3.2	3.0	28	52	114	59	35 E	19	11 E	9.0E	2.5
6	1.0	3.7	3.0	28 E	47	105	59	34 E	19	11 E	11 E	2.2E
7	1.0	2.2	3.0	27	59	97	60	33 E	18	9.5E	12 E	2.2E
8	1.1	2.4	3.2	26	63	92	61	32 E	21 E	7.5E	12 E	2.0E
9	1.2	2.7	2.7	26	59	82	63	32 E	23 E	6.2		1.8E
10	1.2	3.5	2.7	29 E	52	79	69	33 E	25 E	6.0E		1.8E
11	1.0	3.5	2.7	28 E	48	76	74	45 E	22 E	6.6E		1.5E
12	1.0	4.4	2.4	29 E	161	75	74	35 E	21 E	6.6		1.5E
13	1.0	10	2.2	33 E	161	72	74	32 E	20 E	6.6E		1.5E
14	1.0	5.2	2.4	31 E	168	68	74	31 E	18	8.0E	12 E	1.5E
15	1.1	4.0	2.4	29 E	327	61	72	32 E	18	8.0E		1.5E
16	0.9	3.7	3.5	29 E	605	59	68	31 E	16	8.0E		1.5E
17	1.2	3.7	5.6	28 E	467	56	68	25 E	14 E	9.5		1.4E
18	1.1	4.0	15	27 E	380	54	65	25 E	12	8.0E		1.0E
19	1.0	4.8	15	26 E	327	51	63	23 E	21	9.0E		1.0E
20	0.9	5.2	16	25 E	263	51	61	21 E	21 E	7.5E	18	1.0E
21	1.0	5.6	72	23 E	200	54	59	21 E	16 E	8.0E	13 E	1.0E
22	0.9	6.3	66	21 E	165	51	59	19	14 E	8.0E	9.9E	1.4E
23	2.7	6.3	45	20 E	140	51	57	18	14 E	16 E	8.1	1.4E
24	2.2	6.3	36	20	256	50	54	18	14 E	28	6.1E	1.4E
25	2.4	6.7	34	21	412	49	52	18	14 E	21	5.2E	1.4E
26	2.2	6.3	35	21	362	49	50	18	12 E	14 E	3.0E	1.2E
27	2.4	6.7	39	22	289	48	48	18	13 E	11 E	4.4E	1.2E
28	1.9	6.3	54	71	244	46	46	18	12 E	10	3.3	1.0
29	2.2	6.3	66	1010		48	46	17	12 E	8.5	2.7	0.9
30	2.2	5.6	54	501		48	44	17	12 E	8.0	2.7	0.9
31	2.4		47	184		46		18		7.5	2.7	
Mean	1.3	4.6	20.9	80.7	201	77.5	59.9	27.4	17.4	10.1	10.1	1.6
AcrFt	82	275	1288	4961	11150	4768	3564	1686	1033	622	621	96

E — Estimated NR — No Record

Total Discharge in Acre-Feet 30150

TABLE 10

DAILY MEAN DISCHARGE
SHACKLEFORD CREEK NEAR MUGGINSVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	21	35	50	95	107	47	126	173	88	22	14
2	10	20	32	47	83	95	47	140	192	81	23	14
3	11	19	31	41	74	86	46	147	173	77	21	14
4	13	19	30	37	66	80	44	152	160	75	20	14
5	15	18	29	35	62	78	42	170	159	72	19	13
6	18	18	33	33	60	72	41	168	162	70	18	12
7	15	17	50	32	79	69	41	160	157	66	1 E	12
8	24	18	40	30	82	66	41	170	164	64		14
9	69	18	35	30	78	63	42	196	171	60		13
10	56	29	32	32	70	61	48	228	170	57		12
11	39	26	31	31	81	56	57	236	170	56		11
12	48	54	28	40	221	54	66	186	170	55		12
13	76	373	26	37	142	52	79	158	158	52		13
14	49	207	24	35	150	50	88	154	162	50		11
15	35	104	26	72	295	47	97	163	174	48		11
16	28	74	40	69	338	45	106	192	184	48	14 E	13
17	24	65	38	59	300	44	143	219	189	52		11
18	19	99	39	54	315	43	140	234	200	51		10
19	17	86	46	50	243	42	127	237	201	45		9.6
20	16	81	58	47	185	47	139	218	179	42		9.3
21	15	71	90	43	150	53	145	217	174	39		9.0
22	13	62	65	40	138	52	139	208	177	37		9.0
23	45	58	54	40	138	50	117	217	166	36		9.3
24	49	54	55	41	316	49	100	197	150	35		8.7
25	57	51	69	39	258	50	91	198	137	35		8.1
26	52	47	71	39	179	48	88	201	132	33	10 E	7.9
27	35	44	75	41	144	47	86	189	121	30	10	7.9
28	30	41	181	95	121	47	94	185	107	27	10	7.4
29	26	39	117	307		47	104	179	96	26	10	7.6
30	24	36	80	182		47	113	177	87	24	11	7.4
31	23		59	124		47		181		23	13	
Mean	31.0	62.3	52.2	59.7	159	57.9	85.3	187	160	50.1	14.7	10.8
Ac-Ft.	1908	3707	3211	3673	8852	3558	5074	11510	9550	3082	906	645

E — Estimated NR — No Record

Total Discharge in Acre-Feet 55680

TABLE 11

DAILY MEAN DISCHARGE
CANYON CREEK NEAR KELSEY CREEK GUARD STATION

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	30	45	105	235	240	68	173	290	87	28	8.7
2	10	28	41	104	203	213	69	201	330	87	28	8.7
3	11	26	40	94	182	194	66	223	299	84	26	8.7
4	14	25	38	87	165	173	64	240	270	90	24	8.3
5	16	23	38	82	151	163	61	282	265	90	23	8.3
6	20	22	38	78	143	149	59	287	273	87	22	7.9
7	16	22	42	71	169	139	58	287	267	82	22	7.9
8	22	22	38	70	163	128	57	311	259	77	19	10
9	54	21	36	69	155	119	58	352	262	70	17	9.5
10	59	36	34	75	145	112	64	410	262	66	17	8.7
11	43	30	31	74	178	105	69	428	240	66	16	8.7
12	53	43	31	96	417	100	75	375	235	66	16	8.7
13	109	431	31	85	284	96	87	333	213	61	15	11
14	64	274	31	78	330	91	91	330	218	57	15	9.5
15	44	137	35	133	655	88	100	345	238	56	14	9.1
16	36	99	49	122	655	84	108	389	254	56	14	8.7
17	31	85	49	108	583	80	163	439	254	58	14	8.3
18	27	120	50	99	597	77	171 E	450	256	57	14	7.9
19	24	109	59	93	504	75	167 E	450	248	50	13	7.6
20	22	102	102	87	424	80	173	428	215	46	13	7.6
21	21	91	198	82	368	81	180	421	205	45	13	7.2
22	20	80	104	78	345	77	178	406	213	44	12	7.6
23	46	73	81	82	326	77	153	406	189	43	11	7.9
24	54	68	80	88	488	75	137	375	153	42	11	7.6
25	77	64	93	84	461	75	129	368	139	40	11	7.2
26	64	60	124	82	368	73	122	362	137	38	10	7.2
27	49	57	122	82	317	70	122	342	124	36	9.9	6.9
28	47	55	276	253	276	68	128	326	107	34	9.5	6.5
29	38	50	192	610		69	135	311	100	31	9.1	6.2
30	34	47	141	389		69	151	305	90	30	9.1	6.2
31	32		118	284		68		311		29	8.7	
Mean	37.7	77.7	77.0	127	332	107	109	344	220	58.2	15.6	8.1
Ac-Ft.	2317	4621	4735	7783	18420	6561	6472	21160	13100	3580	961	485

E — Estimated NR — No Record

Total Discharge in Acre-Feet 90200

TABLE 12

DAILY MEAN DISCHARGE
WEAVER CREEK NEAR DOUGLAS CITY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.5	14	24	131	312	261	281	114	105	30	14	3.3
2	7.1	12	22	175	371	223	468	122	125	29	25	3.3
3	5.8	11	20	135	503	199	339	127	105	29	19	3.3
4	6.6	9.9	22	115	434	174	261	127	93	26	13	3.3
5	8.0	9.0	27	101	407	153	334	134	88	21	12	3.7
6	8.0	8.0	28	90	358	141	420	132	88	20	10	3.3
7	9.0	7.5	31	84	671	129	302	132	93	19	9.8	3.0
8	7.5	7.5	30	81	575	120	244	132	90	17	9.2	4.4
9	36	6.1	32	82	564	112	211	139	93	16	8.6	4.8
10	36	8.5	32	165	447	109	205	148	88	14	8.1	4.8
11	20	8.0	33	141	589	103	202	177	82	15	7.6	4.4
12	34	10	34	467	1050	101	199	146	79	14	7.1	4.4
13	90	632	36	315	653	95	193	134	73	16	7.1	4.8
14	35	312	38	198	1040	95	185	129	72	15	6.6	4.8
15	23	119	59	207	1040	92	177	129	72	15	6.1	4.4
16	18	81	136	173	1170	90	169	136	72	15	6.6	4.0
17	16	74	302	157	956	86	177	143	72	17	7.1	4.0
18	15	93	307	143	1220	86	166	146	68	17	7.1	3.7
19	14	76	221	130	1060	82	158	153	68	16	6.6	3.7
20	12	65	205	119	710	139	158	148	65	15	6.6	3.7
21	10	55	490	106	545	235	158	153	59	15	6.1	3.3
22	9.9	48	270	99	454	291	156	156	57	14	5.7	4.0
23	43	45	182	103	400	306	139	151	53	16	5.7	4.4
24	40	41	159	155	1280 E	244	129	139	50	17	5.2	4.8
25	30	37	159	200	791	208	120	127	43	15	4.8	4.8
26	25	34	157	380	437	179	118	125	41	13	4.4	4.4
27	22	31	161	260	366	158	114	118	39	12	4.4	4.0
28	18	30	466	804	317	143	107	114	36	12	4.0	3.7
29	17	27	298	1090		280	112	103	33	9.8	4.0	3.7
30	16	25	193	670		302	112	99	32	9.2	4.0	3.3
31	15		147	430		226		99		9.8	4.0	
Mean	21.1	64.6	139	242	669	167	204	133	71.1	16.7	8.0	4.0
Ac-Ft	1300	3841	8571	14890	37130	10240	12130	8196	4233	1029	495	237

E — Estimated NR — No Record

Total Discharge in Acre-Feet 102300

TABLE 13

DAILY MEAN DISCHARGE
BROWNS CREEK NEAR DOUGLAS CITY

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	34	45	197	431	654	644	180	74	41	23	9.8
2	18	31	43	215	536	544	827	179	96	41	29	9.5
3	14	29	40	194	719	471	744	170	93	39	28	10
4	13	27	40	179	884	414	576	160	83	39	22	9.9
5	15	26	42	162	903	373	570	158	76	37	20	10
6	14	26	38	146	651	334	694	150	75	36	20	10
7	16	25	36	134	1010	307	627	141	82	34	19	8.3
8	14	26	34	126	834	281	556	136	88	33	18	11
9	50	24	33	120	583	259	519	130	93	32	18	11
10	81	30	31	163	488	251	546	127	94	31	18	10
11	67	34	30	171	428	236	583	178	88	31	17	10
12	59	32	29	279	799	226	594	135	83	31	17	11
13	290	182	28	312	650	210	590	122	77	30	17	11
14	151	322	28	276	675	205	559	115	74	28	16	11
15	84	205	38	271	864	195	512	109	68	27	15	11
16	58	136	78	263	1160	186	480	104	63	28	15	10
17	46	104	175	260	1090	179	449	100	59	30	17	10
18	38	104	273	251	2050	174	405	98	56	31	17	9.7
19	33	100	213	236	2650	171	361	94	77	30	17	9.4
20	29	99	180	219	1610	289	345	89	63	29	13	9.1
21	26	92	327	197	1170	705	330	88	56	29	13	9.4
22	25	82	306	182	926	845	315	89	52	28	14	9.7
23	40	74	253	177	759	911	284	98	50	30	13	11
24	63	68	211	179	2330	749	263	85	49	32	12	12
25	62	63	183	197	2030	591	245	82	47	29	11	12
26	64	58	176	282	1270	472	231	78	44	27	10	12
27	57	55	174	288	995	407	216	77	44	25	9.8	11
28	50	51	253	553	791	358	205	80	44	24	9.8	10
29	45	49	285	1220		442	195	72	42	23	9.8	10
30	40	46	256	841		554	186	71	41	22	10	9.5
31	37		228	592		489		70		21	9.8	
Mean	52.5	74.5	132	287	1046	403	455	115	67.7	30.6	16.1	10.3
Ac-Ft	3225	4431	8144	17620	58090	24760	27080	7071	4028	1880	988	612

E — Estimated NR — No Record

Total Discharge in Acre-Feet 157900

TABLE 14

DAILY MEAN DISCHARGE
NORTH FORK TRINITY RIVER AT HELENA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	127	155	222	806	1530	1490	957	935	571	251	144	43
2	91	147	206	880	1450	1270	1090	1080	743	260	154	41
3	93	139	192	794	1530	1100	1090	1140	665	253	151	39
4	82	132	184	701	1500	962	905	1130	509	280	126	38
5	114	126	184	625	1570	871	826	1260	503	286	112	37
6	124	123	179	557	1460	782	838	1240	519	308	110	35
7	139	118	204	509	2200	709	810	1120	557	320	110	33
8	126	124	184	478	2270	650	782	1130	535	300	109	42
9	669	118	171	454	1940	588	790	1240	548	282	102	49
10	793	147	164	632	1690	554	984	1370	548	260	96	46
11	392	184	157	713	1760	522	1200	1540	497	273	93	44
12	349	212	154	1020	4720	491	1280	1200	478	289	86	44
13	931	4190	150	1080	2790	460	1330	935	449	280	79	47
14	453	2910	149	859	2450	440	1330	863	457	257	72	47
15	295	1270	181	940	4630	417	1300	893	516	249	69	42
16	227	818	505	1040	6590	400	1280	1030	567	226	68	39
17	186	614	769	997	4970	381	1390	1200	584	218	68	38
18	164	593	1030	927	8180	368	1430	1300	584	216	74	37
19	149	658	814	818	6810	360	1270	1320	629	214	72	35
20	134	661	942	720	3970	452	1290	1100	574	200	78	33
21	124	607	2670	632	2660	818	1370	1110	522	202	71	32
22	117	506	1730	571	2160	922	1350	1100	564	224	63	33
23	349	444	1120	544	1920	1010	1080	1160	525	257	60	37
24	380	411	856	528	7540 E	1060	905	918	437	255	58	35
25	392	372	814	525	6050	957	798	814	389	220	57	35
26	330	340	1010	629	3250	867	751	818	398	204	55	33
27	271	307	1020	728	2290	774	728	774	389	195	53	31
28	229	280	2290	1950	1800	683	732	687	322	187	50	30
29	202	257	1880	5060		713	790	629	298	174	48	28
30	179	235	1300	3160		806	830	601	275	164	47	27
31	166		983	1990		786		612		149	46	
Mean	270	573	723	1028	3274	731	1050	1040	505	240	83.3	37.7
Ac-Ft	16620	34110	44460	63210	181800	44950	62490	63960	30050	14780	5119	2241

E — Estimated NR — No Record

Total Discharge in Acre-Feet 563800

TABLE 15

DAILY MEAN DISCHARGE
BIG CREEK NEAR HAYFORK

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.7	12	20	99	186	207	143	77	28	14	0.6	0.2
2	6.6	11	19	116	186	192	169	77	32	13	0.6	0.7
3	6.3	11	18	98	210	183	156	74	31	13	0.5	0.4
4	7.2	11	19	88	226	148	141	70	27	13	0.4	0.4
5	11	9.9	19	79	245	122	136	69	26	11	0.4	0.1
6	10	9.8	18	69	232	119	136	67	26	8.5	0.3	0.1
7	12	10	18	63	436	113	131	64	28	8.5	0.2	0.2
8	9.5	10	17	59	379	108	129	62	31	7.5	0.1	0.5
9	30	10	16	60	306	104	131	59	32	7.5	0.1	0.4
10	32	13	15	97	239	102	148	59	29	6.5	0.1	0.2
11	19	14	16	88	242	98	175	69	28	6.5	0	0.5
12	25	14	15	133	524	96	189	61	27	6.1	0.1	0.4
13	67	232 E	16	127	345	94	189	56	25	6.5	0.3	0.9
14	36	217	16	105	414	90	183	52	25	6.5	0.6	0.6
15	25	84	21	113	539	86	178	47	25	6.1	0.5	0.5
16	21	55	36	116	555	84	175	46	25	6.1	1.0	0.5
17	18	45	73	120	464	81	172	44	24	5.6	0.5	0.3
18	16	50	83	119	1050	77	156	42	24	5.6	1.2	0.3
19	15	42	60	104	956	75	146	40	29	5.2	0.4	0.5
20	13	42	71	92	648	96	136	37	26	5.2	1.0	0.6
21	13	41	206	82	474	136	129	36	25	4.8	1.0	0.4
22	13	38	183	75	383	138	126	37	24	4.8	0.3	0.9
23	18	33	121	71	329	146	119	37	22	4.5	1.2	0.6
24	18	32	95	76	683	143	111	36	22	3.8	0.7	0.4
25	18	30	90	76	571	136	104	34	21	3.4	0.4	1.0
26	18	30	107	91	358	129	100	33	20	2.8	0.9	0.5
27	16	28	107	86	266	119	94	33	18	2.6	0.5	0.7
28	15	25	175	249	229	115	92	32	15	1.6	0.2	0.6
29	13	23	181	695		126	84	31	13	0.9	0.2	0.5
30	13	22	138	370		136	81	31	13	0.7	0.4	0.6
31	12		111	245		126		28		0.7	0.6	
Mean	17.9	40.2	67.7	131	417	120	139	49.7	24.7	6.2	0.5	0.5
Ac-Ft	1099	2389	4165	8055	23160	7389	8249	3055	1470	382	30	29

E — Estimated NR — No Record

Total Discharge in Acre-Feet 59470

CENTRAL VALLEY AREA

CENTRAL VALLEY AREA

Introduction

The Central Valley Area is the locale of five important hydrologic features that focused early attention on the need for gathering basic data of water occurrence and utilization. These features are:

1. The existence of the two large river systems, namely the Sacramento and San Joaquin Rivers.
2. The occurrence and development of the extensive agricultural lands contiguous to these river systems.
3. The complexities of the delta channels at the confluence of these two river systems.
4. The climatic conditions which result in low flows during much of the agricultural season and, in dry years, critical water shortages.
5. The intrusion of saline waters into the delta area during periods of low stream flows.

The development of the Central Valley Project and the accelerated participation of the State in water development construction have increased and broadened the need for, and the value of, data on surface water flow. Most of the tributary streams throughout the entire Sacramento-San Joaquin Valley, including much of the foothill area, are now reported upon. This coverage encompasses both measurements of stream flow and measurements of diversions.

Tabular Information

On the following pages are tables of stream flow, stages, diversions and acreages irrigated, summaries of the foregoing, and supplementary data for the 1958 water year.

TABLE 16

MONTHLY PRECIPITATION*

In inches

Station		1957			1958								Water Year Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
Shasta Dam	1957-58	8.45	5.75	10.18	12.96	30.79	11.15	8.89	2.30	6.10	.91	.17	.42	98.07
	Average*	3.87	5.92	9.93	10.42	10.69	6.38	4.22	2.15	1.38	.19	.16	.59	55.90
Redding Fire Station 2	1957-58	6.08	3.44	6.51	9.44	18.03	6.87	6.11	1.76	3.85	.77	.00	.19	63.05
	Average	1.96	4.07	6.73	7.41	6.30	4.79	2.76	1.63	1.01	.11	.10	.58	37.45
Red Bluff Airport	1957-58	4.30	1.20	2.59	5.50	11.38	5.57	2.47	1.49	1.06	.42	.07	.21	36.26
	Average	1.04	2.11	3.74	3.78	2.98	2.56	1.37	.87	.43	.03	.06	.44	19.41
Orland	1957-58	5.22	.71	2.82	5.68	11.90	3.93	3.12	1.60	.66	.66	T	.18	36.48
	Average	.86	1.81	3.60	3.57	3.02	2.40	1.28	.56	.35	.02	.04	.32	17.83
Chico Experiment Station	1957-58	3.99	.80	3.16	6.42	10.94	5.91	4.33	1.58	1.97	T	T	.31	39.41
	Average	1.20	2.62	4.96	5.02	4.38	3.29	1.91	1.03	.44	.02	.05	.40	25.32
Colusa	1957-58	2.63	.20	2.37	4.83	7.39	3.41	2.42	.89	.58	.62	.11	.13	25.58
	Average	.68	1.64	3.14	3.06	2.73	2.13	1.02	.50	.21	.01	.02	.23	15.37
Marysville	1957-58	2.09	.51	3.38	4.96	9.08	3.86	4.40	.88	1.20	T	.04	.25	30.65
	Average	.94	2.16	3.99	4.05	3.63	2.88	1.42	.76	.24	.00	.02	.23	20.32
Woodland	1957-58	1.50	.33	2.55	4.04	8.49	4.14	4.26	.70	T	T	.02	.07	26.10
	Average	.67	1.56	3.24	3.54	2.96	2.21	1.11	.49	.17	.00	.01	.20	16.16
Folsom Dam	1957-58	1.95	1.09	3.02	5.70	8.70	6.91	5.66	.93	1.26	.00	.00	.30	35.52
	Average	1.02	2.30	4.24	5.04	4.34	3.57	1.76	.84	.25	.01	.01	.25	23.63
Sacramento City	1957-58	1.35	.33	3.07	5.38	9.13	5.93	4.41	.72	.27	T	.02	.12	30.73
	Average	.79	1.67	3.48	3.87	3.31	2.59	1.32	.59	.19	.00	.02	.22	18.05
Davis	1957-58	1.37	.41	2.97	4.91	9.08	4.49	4.11	.77	.03	.04	.01	.06	28.25
	Average	.65	1.50	3.29	3.67	3.00	2.28	1.14	.49	.16	.00	.01	.18	16.37
Bensons Ferry	1957-58	1.52	.24	2.41	4.04	6.92	4.29	4.30	.81	.56	.00	.00	.06	25.15
	Average	.68	1.41	2.83	3.20	2.63	2.28	1.12	.58	.15	.00	.00	.20	15.08
Lodi	1957-58	1.51	.54	2.82	4.41	6.29	5.48	4.78	.91	.45	T	.02	.13	27.34
	Average	.79	1.50	3.14	3.39	2.74	2.43	1.20	.58	.13	.00	.00	.19	16.09
Antioch	1957-58	1.97	.20	2.91	4.12	6.26	4.70	4.32	.62	.36	T	.18	.11	25.75
	Average	.51	1.15	2.62	2.79	2.23	1.81	.78	.36	.11	.01	.01	.21	12.59
Stockton Fire Station 4	1957-58	1.58	.46	2.58	3.91	6.09	4.90	4.64	.74	.19	T	T	.12	25.21
	Average	.60	1.31	2.68	3.03	2.33	2.11	.99	.53	.12	.01	.00	.20	13.91
Tracy Carbona	1957-58	1.55	.10	1.81	2.22	3.40	3.69	2.21	.77	.20	.00	T	.08	16.03
	Average	.39	.78	1.65	1.81	1.46	1.37	.66	.41	.10	.00	.00	.13	8.76
Modesto	1957-58	1.69	.30	2.49	3.29	4.99	4.02	4.89	1.17	T	.00	.00	.09	22.93
	Average	.50	1.02	2.31	2.29	1.99	1.97	.93	.45	.11	.01	.02	.16	11.76
Merced Fire Station 2	1957-58	1.26	.62	3.92	3.20	4.94	6.93	3.65	.70	.27	.02	.00	.16	25.67
	Average	.47	1.15	2.03	2.46	2.12	1.99	1.03	.44	.08	.01	.01	.12	11.91
Los Banos	1957-58	1.07	.18	1.79	2.54	3.68	4.04	1.90	.27	.04	T	T	.47	15.98
	Average	.38	.83	1.56	1.80	1.43	1.44	.73	.30	.05	.01	.01	.10	8.64
Fresno Airport	1957-58	.43	1.02	1.90	2.03	4.11	5.79	2.71	.79	.02	.02	.01	.46	19.29
	Average	.51	.80	1.63	1.90	1.61	1.68	.87	.32	.11	.01	.01	.08	9.53

* 1957-58 water year records from U. S. Weather Bureau. Average precipitation computed from the 50-year period October 1905 through September 1955.

T Trace.

TABLE 17

MONTHLY UNIMPAIRED RUNOFF

In per cent of average*

Month		Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	Stanislaus River below Melones P. H.	Tuolumne River near La Grange	Merced River at Exchequer	San Joaquin River below Friant	San Joaquin River near Vernalis (a)
October 1957	Per Cent	184	217	196	174	146	100	100	70	80	71	76	92
	Average*	467	274	412	87	28	22	4	8	15	7	21	51
November 1957	Per Cent	103	131	111	108	74	48	47	59	51	53	64	56
	Average	850	408	727	164	80	75	17	22	39	17	28	107
December 1957	Per Cent	107	128	114	115	92	67	55	43	73	65	90	70
	Average	1532	715	1312	298	152	147	29	41	66	34	50	191
January 1958	Per Cent	101	136	109	88	76	61	58	56	56	53	56	56
	Average	2392	1091	2042	443	238	270	43	68	105	60	74	307
February 1958	Per Cent	268	345	295	268	243	183	154	132	131	104	123	124
	Average	2871	1280	2418	535	282	321	57	87	136	80	93	397
March 1958	Per Cent	146	173	151	128	133	137	122	110	132	148	133	130
	Average	3285	1209	2609	665	332	404	85	137	196	110	147	590
April 1958	Per Cent	164	207	171	140	140	172	144	133	145	160	146	141
	Average	3813	1034	2760	816	417	492	136	215	295	155	251	917
May 1958	Per Cent	173	147	172	177	180	194	178	188	168	164	182	176
	Average	4070	720	2427	717	444	546	201	300	454	250	438	1442
June 1958	Per Cent	162	155	169	178	181	168	162	163	151	155	154	155
	Average	2702	474	1390	358	240	319	138	199	382	190	404	1174
July 1958	Per Cent	155	142	148	152	160	157	174	161	173	173	157	164
	Average	1093	326	625	153	62	83	31	62	133	59	184	438
August 1958	Per Cent	154	135	139	142	133	190	175	180	240	233	208	216
	Average	514	266	410	99	24	20	4	14	23	12	52	100
September 1958	Per Cent	142	137	136	126	152	143	200	167	170	220	200	195
	Average	411	252	367	80	21	14	2	6	10	5	21	41
Water Year 1957-58	Per Cent	163	188	169	156	152	150	145	143	143	143	151	143
	Average	24000	8049	17500	4415	2320	2713	747	1159	1854	979	1763	5755

* Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1905 through September 1955.

a Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.

TABLE 18

ANNUAL UNIMPAIRED RUNOFF

In per cent of average*

Water Year	Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	Stanislaus River below Melones P. H.	Tuolumne River near La Grange	Merced River at Exchequer	San Joaquin River below Friant	San Joaquin River near Vernalis (a)
Average Annual Runoff*	24000	8049	17500	4415	2320	2713	747	1159	1854	979	1763	5755
1919-20	57	52	52	50	56	54	63	64	73	70	75	71
1920-21	128	143	136	137	137	118	117	109	109	103	91	102
1921-22	111	83	103	115	128	121	124	123	134	146	134	134
1922-23	81	66	76	70	89	101	95	97	96	96	94	96
1923-24	31	41	33	29	26	20	25	22	29	26	25	26
1924-25	93	100	92	71	91	100	112	106	104	93	82	96
1925-26	65	70	68	72	69	51	50	52	60	62	66	61
1926-27	131	136	137	132	153	135	120	118	111	111	114	113
1927-28	91	95	96	96	105	93	86	82	82	75	66	76
1928-29	48	55	48	42	43	42	46	44	53	50	50	50
1929-30	72	76	77	88	78	61	62	63	62	52	50	57
1930-31	33	41	35	33	28	26	28	27	32	27	28	29
1931-32	85	63	75	74	91	96	100	117	114	114	117	115
1932-33	53	57	51	43	46	47	57	52	60	53	63	58
1933-34	47	56	49	46	43	41	40	37	44	37	40	40
1934-35	99	93	95	96	97	95	94	105	114	120	110	112
1935-36	103	88	99	97	112	125	120	114	117	118	106	113
1936-37	86	74	76	71	80	86	93	96	108	124	125	113
1937-38	184	182	181	193	174	166	166	176	185	212	209	195
1938-39	48	54	47	42	39	39	45	45	53	49	53	51
1939-40	124	130	128	127	123	126	115	121	120	112	107	115
1940-41	150	178	155	147	138	116	113	115	135	148	150	138
1941-42	140	140	144	150	147	144	132	128	128	131	128	128
1942-43	122	106	121	127	135	143	134	135	128	132	116	126
1943-44	61	58	59	63	60	54	60	58	71	70	68	67
1944-45	93	82	86	85	91	93	104	110	113	112	121	115
1945-46	100	100	100	94	103	106	100	102	102	96	98	100
1946-47	59	63	59	57	59	52	53	55	59	58	64	59
1947-48	86	95	90	87	87	83	85	77	76	70	69	73
1948-49	68	75	68	59	64	68	69	64	68	65	66	66
1949-50	83	71	82	87	96	98	101	93	84	73	74	81
1950-51	131	113	131	128	153	171	155	146	134	124	105	126
1951-52	164	143	163	179	178	183	177	165	165	160	173	167
1952-53	104	120	115	117	110	98	91	83	83	63	67	75
1953-54	92	115	100	95	83	74	11	77	78	68	72	74
1954-55	62	70	63	56	55	58	59	59	61	54	66	61
1955-56	171	164	171	180	171	172	167	162	178	172	173	171
1956-57	80	89	85	82	84	80	80	75	77	66	77	75
1957-58	163	188	169	156	152	150	145	143	143	143	151	143

* Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1905 through September 1955.

a Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

TABLE 19

SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA

In thousands of acre-feet

Item	Record in Table No.	1957			1958									Water Year Total	1958
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		Oct.
WATER SUPPLY															
Measured Inflow															
Sacramento River at Sacramento	133	1120	1117	1421	2155	4019	3715	4246	3297	2087	885	873	948	25880	779
Sacramento Weir Spill to Yolo Bypass	126	0	0	0	0	37	13	43	0	0	0	0	0	93	0
Yolo Bypass near Woodland	137	11	1	18	172	5159	1716	2220	66	44	7	5	6	9425	2
Putah Creek near Davis	142	1	0	1	3	19	7	14	1	0	0	0	0	46	0
Cosumnes River at McConnell	205	1	2	6	30	134	191	295	100	34	6	1	0	800	1
Dry Creek near Galt	203	0	0	0	10	49	64	121	5	1	0	0	0	250	0
Mokelumne River at Woodbridge	202	19	24	26	38	58	117	157	131	163	31	16	24	804	27
Bear Creek near Lockeford	198	0	0	0	1	6	9	11	0	0	0	0	0	27	0
Calaveras River near Stockton	195	0	0	1	2	9	6	9	2	2	2	2	1	36	0
Stockton Diverting Canal at Stockton	197	0	0	1	17	72	54	120	5	1	1	1	1	273	0
Duck Creek near Stockton	192	0	0	0	1	2	1	3	0	0	0	0	0	7	0
French Camp Slough near French Camp	190	1	0	0	10	44	31	63	4	8	3	2	4	170	3
San Joaquin River near Vernalis	187	126	134	153	149	302	744	1661	1379	929	252	94	133	6056	174
Precipitation (a)		76	12	121	223	348	246	218	39	14	0	0	4	1301	7
Total Water Supply		1355	1290	1748	2811	10260	6914	9181	5029	3283	1187	994	1121	45170	993
WATER UTILIZATION															
Consumptive Use in Delta Lowlands (b)		106	49	36	26	31	46	101	147	166	224	240	179	1351	106
Exportations															
Delta-Mendota Canal	397	64	26	6	1	3	15	6	33	41	174	188	106	663	71
Contra Costa Canal	397	4	3	3	2	2	2	3	4	5	6	6	6	46	6
City of Vallejo	397	1	1	1	1	0	1	1	1	1	1	1	1	11	1
Delta Uplands Diversions															
Old River	384	2	0	0	0	0	0	2	15	19	23	21	13	95	5
Tom Paine Slough	384	1	0	1	0	0	0	1	3	3	4	4	2	19	1
San Joaquin River (Stockton to Vernalis)	385	2	1	1	0	0	0	1	11	11	14	14	8	63	3
French Camp Slough below French Camp	384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calaveras River below Stockton	386	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mokelumne River below Woodbridge	386	0	0	0	0	0	0	0	1	1	2	2	1	7	1
Cosumnes River below McConnell	386	0	0	0	0	0	0	0	0	0	1	1	0	2	0
Sacramento River below Sacramento	386	0	0	0	0	0	0	0	0	0	1	0	0	1	0
Yolo Bypass (West Cut)	386	2	1	1	0	0	0	0	1	2	6	4	3	20	2
Putah Creek below Davis	386		0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous	387	4	2	1	0	0	0	2	15	15	18	16	12	85	8
Total Water Utilization		186	83	50	30	36	64	117	231	264	474	497	331	2363	204

a Water supply from precipitation has been computed using weighted monthly mean rainfall and the acreage of the Delta Service Area.
b Consumptive use in the Delta Lowlands has been computed using monthly unit consumptive use factors for classified vegetation and evaporation, and acreage data obtained through the land use surveys of 1952 and 1955.

TABLE 2

SUMMARY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETION
SACRAMENTO RIVER AND TRIBUTARIES

In thousands of acre-feet

Item	Mileage	Record in Table No.	1957			1958									Water Year T y	1958
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		Oct.
									At AMER.T RIVER							
Computed Inf.ow to Shasta Lake		35	394	377	634	888	248	1319	1395	811	523	345	281	261	6982	
Unmeasured Accretions			+5	+12	+19	+30	+110	+21	+39	+31	+17	+19	+33	+2	+364	+1
Change in Storage		36	-90	-145	+156	+152	+13	+547	+173	+68	-24	-26	-416	-311	-11	-418
At Keswick	25 .5	37	489	534	497	766	2453	793	1261	764	564	624	73	597	1 07	527
Near Redding*	2 .7	38	488	527	489	NR	NR	78	12 5	666	487	535	637	524		462
Clear Creek near Igo	237.1R	39	20	20	39	73	320	126	131	31	14	6	3	2	785	2
Cow Creek near Millville	228.8L	40	22	37	65	130	254	130	105	43	27	9	5	4	831	6
At Balls Ferry*	224.5	43	565	609	641	NR	NR	1127	1488	780	580	576	665	546		484
Cottonwood Creek near Cottonwood	222.2R	47	50	36	81	181	600	223	220	67	31	14	7	5	1515	6
Battle Creek near Cottonwood	221.5L	48	24	20	29	44	85	60	56	57	43	24	17	15	41	16
Paynes Creek near Red Bluff	201.5L	49	3	1	6	19	36	22	18	3	2	0			11	0
Unmeasured Accretions			+48	+17	+34	+109	+521	+173	+145	-2	+34	+13	-5	+15	+11 2	+5
Diversions		370	11	0	0	0	0	0	7	29	28	32	31	29	167	27
Near Red Bluff	198.6	50	645	665	751	1322	4269	1527	1429	934	687	658	726	604	1472	535
Red Bank Creek near Red Bluff	191.2R	51	3	0	4	12	42	16	10	1	1	0	0		89	0
Antelope Creek near Red Bluff*	182.6L	52	7	4	9	22	53	31	28	17	11	4	3	3	192	3
Antelope Creek near Mouth	182.6L	53	2	1	2											
North Fork Mill Creek near Mouth	179.2L	54	0	0	0											
Mill Creek near Los Molinos*	178.1L	56	14	13	20	29	71	40	44	45	37	18	10	8	349	8
Mill Creek near Mouth	178.1L	57	13	11	21											
Elder Creek at Gerber	178.5R	58	2	2	8	22	110	31	31	10	3	1	0	0	245	0
Thomes Creek at Paskenta	173.5R	58	18	16	29	51	164	45	67	47	14	4	1	1	457	0
Deer Creek near Vina*	168.5L	59	11	11	23	32	95	62	69	48	24	12	9	8	444	8
Deer Creek at Highway 99E	168.5L	60	11	11	22											
Unmeasured Accretions			+33	+36	+51	+244	+468	+373	+295	+130	+56	+14	+1	-3	+1708	+10
Diversions		369	0	0	0	0	0	0	0	0	1	1	1		3	0
At Vina Bridge	166.4	61	732	742	888	1651	5053	1992	2332	1122	770	676	727	607	17290	545
Unmeasured Accretions			0	0	+14	-90	+55	+76	-50	+9	+14	-5	-9	+8	+22	-6
Diversions		369	2	0	0	0	0	0	3	115	129	137	129	68	583	48
At Hamilton City	149.5	62	730	742	902	1561	5108	2068	2279	1016	655	534	589	547	16730	491
Big Chico Creek near Chico*	141.5L	63	4	4	12	22	61	39	34	6	4	3	2	2	193	2
Big Chico Creek at Chico	141.5L	64	0	3	8	13	34	23	21	6	3	1	1	0	123	0
Lindo Channel near Chico	141.5L	65	2	0	4	8	28	20	18	0	0	0	0	0	80	0
Stony Creek at Black Butte Dam Site*	138.0R	66	10	9	28	90	480	160	137	61	24	22	21	18	1060	5
Stony Creek near Hamilton City	138.0R	67	8	6	29	85	546	172	163	28	5	1	0	0	1043	0
Unmeasured Accretions			-2	-9	-24	+50	+419	+92	+168	+47	+16	-10	+14	-4	+757	+17
Diversions (a)		369	6	0	0	0	0	0	18	29	7	3	4	1	68	0
At Ord Ferry	130.8	68	732	742	919	1717	6135	2375	2631	1068	672	523	600	542	18660	508
Unmeasured Accretions			+2	-29	-35	-69	-332	-80	+8	+22	-2	+3	+6	+4	-502	-10
Diversions		369	1	3	2	0	0	0	2	16	13	16	13	5	71	1
At Butte City	115.8	69	733	710	882	1648	5803	2295	2637	1074	657	510	593	541	18080	497
Opposite Moulton Weir*	103.3	71	740	NR	NR	NR	NR	2346	2603	1135	724	561	602	563		523
Unmeasured Accretions			+7	+25	+12	-35	-50	+68	+157	+24	+8	0	-7	0	+209	+4
Moulton Weir	104.0L	70	0	0	0	11	818	37	128	0	0	0	0	0	994	0
Colusa Weir	92.4L	72	0	0	0	190	2672	590	893	0	0	0	0	0	4345	0
Diversions		368	0	0	0	0	0	0	0	20	21	24	20	6	91	1
At Colusa	89.4	73	740	735	894	1412	2263	1736	1773	1078	644	486	566	535	12861	500
Butte Creek near Chico*	84.0L	74	12	14	30	43	118	82	80	52	28	15	11	10	495	10
Butte Slough at Outfall Gates	84.0L	75	13	3	3	0	0	0	0	5	24	11	15	9	83	9
At Meridian*	79.85	76	764	NR	NR	NR	NR	1778	1811	1072	701	520	568	548		513
R. D. 70 Drain	68.8L	77	1	0	0	1	7	6	5	4	3	3	4	2	36	0
Unmeasured Accretions			-24	-15	-24	-11	+80	-58	+1	-31	+12	+11	+2	+6	-51	+2
Tisdale Weir	64.33L	78	3	0	3	118	845	304	389	0	0	0	0	0	1662	0
Diversions		367	1	0	0	0	0	0	7	94	73	90	82	18	365	1
Below Wilkins Slough	62.9	79	726	723	870	1284	1505	1380	1383	962	610	421	505	534	10900	510
Above R. D. 108 Pumping Plant*	46.4	80	688	NR	NR	NR	NR	1391	1359	920	618	452	504	532		500
R. D. 108 Drain	46.2R	81	2	1	4	4	21	12	14	22	20	19	22	13	151	1
R. D. 787 to Sacramento River	37.0R	82	0	0	0	1	2	2	2	3	3	3	4	2	22	0
Colusa Basin Drain at Knights Landing	34.15R	86	34	15	6	1	0	0	0	0	29	48	56	47	236	23
R. D. 787 to Colusa Basin Drain	34.15R	87	0	0	0	0	1	0	1	2	1	1	1	0	7	0
Unmeasured Accretions			+41	+26	-8	-21	-18	-3	-18	+20	+34	+10	+12	+24	-115	-11
Diversions		366	0	0	0	0	0	0	3	38	28	36	32	6	143	0
At Knights Landing	34.0	88	803	765	886	1269	1511	1391	1379	971	669	466	568	614	11290	523
Sacramento Slough	21.2L	92	37	28	48	NR	NR	NR	NR	NR	102	51	55	48		14
Feather River at Nicolaus	20.9L	118	210	209	441	604	2231	1447	2048	1634	838	194	82	136	10030	126
Coon Creek at Highway 99E*	19.6L	119	3	1	3	10	21	18	23	1	1	0	0	1	82	2
Auburn Ravine at Lincoln*	19.6L	120	2	2	3	5	12	10	10	4	3	3	3	1	58	1
Natomas Cross Canal at Nead	19.6L	121	5	2	5											
R. D. 1001 Drain	19.6L	123	0	0	0	1	9	5	10	3	3	0	0	0	31	-
Unmeasured Accretions			-18	-20	-22	+265	+4883	+1605	+1776	+62	-43	+8	-13	-15	+8468	+19
Fremont Weir	22.58R	89	0	0	0	94	5063	2371	2016	0	0	0	0	0	8544	0
Diversions (b)		365	0	0	0	1	0	0	0	16	14	18	19	7	74	0
At Verona	18.6	124	1037	984	1358	2048	3571	3077	3197	2654	1555	661	673	776	.1590	682
R. D. 1000 Drain (Pritchard Lake)	19.0L	125	0	0	0	1	4	1	2	0	0	0	0	0	7	
R. D. 1000 Drain (2nd Bannon Slough	2.1L	127	1	0	1	5	20	13	16	5	5	1	1	7	75	-
Linda Creek near Roseville	1.3L	128	3	3	4	9	19	19	22	3	2	2	1	1	88	2
American River at Sacramento	1.1L	132	109	128	65	119	484	545	910	662	528	222	219	179	4170	96
Unmeasured Accretions			-26	+6	-4	-21	-40	+75	+145	-10	+21	+29	+9	-5	+179	+5
Sacramento Weir Spill to Yolo Bypass	4.2R	126	0	0	0	0	37	13	43	0	0	0	1	0	93	
Diversions (c)		364	4	4	3	2	2	2	3	17	24	30	3	1	131	6
At Sacramento	0.4	133	1120		1	2154	4019	3715	4246	3297	2087	886	873	948	.588	779
Shasta Lake to Sacramento																
Total Unmeasured Accretions			+66	+49	+29	+451	+6096	+2342	+2666	+302	+170	+9	+43	+65	+12370	+65
Total Diversions			25	7	5	2	2	2	43	374	338	382	361	150	1696	84

TABLE

SUMMARY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETION
SACRAMENTO RIVER AND TRIBUTARIES (Continued)

In thousands of acre-feet

Item	Mileage	Record in Table No	1967 Oct.	Nov.	Dec.	1968 Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Water Year Total	1968 Oct.
FEATHER RIVER																
[illegible]	71.	[illegible]	[illegible]	2[illegible]	3[illegible]	3[illegible]	[illegible]	[illegible]3	[illegible]1	[illegible]	[illegible]	2[illegible]	16[illegible]	[illegible]52	[illegible]	[illegible]
Unmeasured Accretions and Diversions		3[illegible]	-2[illegible] 1[illegible]	-21 13	-8 5	-4 0	+23 0	[illegible]	+34 12	+12 13[illegible]	-22 12	[illegible] 12[illegible]	[illegible] 11[illegible]	-8 5[illegible]	[illegible] 5[illegible]	-9 [illegible]
Near Gridley	44.[illegible]	[illegible]	163	18[illegible]	338	377	135[illegible]	81[illegible]	1173	93[illegible]	41[illegible]	1[illegible]5	49	88	59[illegible]	85
[illegible] near Oroville	43.[illegible]L	[illegible]	[illegible]	0	3	5	13	9	1[illegible]	1	[illegible]	0			41	
Unmeasured Accretions Diversions		37[illegible]	+19 0	+1[illegible] 0	+25 0	+39 [illegible]	+26[illegible] 0	+[illegible] [illegible]	+149 0	+[illegible]13 1	+[illegible] 2	+[illegible] [illegible]	+18 2	+[illegible]4	+83 [illegible]7	+[illegible]5
At Yuba City	18.0R	108	182	19[illegible]	366	421	1432	912	1332	1052	466	12[illegible]	[illegible]	1[illegible]2	6886	110
Yuba River near Marysville	2[illegible].3L	113	24	25	82	178	693	46[illegible]	611	665	341	4[illegible]	18	2[illegible]	3[illegible]6	15
Unmeasured Accretions Diversions (d)		[illegible]	+10 0	+12 0	-15 0	-26 0	-157 0	-14[illegible] 0	-52 0	-100 0	-23 1	+1 1	+[illegible] 1	-5 1	-49[illegible] 4	-11 [illegible]
Below Shanghai Bend	23.[illegible]	114	216	232	433	573	2168	121[illegible]	1891	1617	783	172	8[illegible]	132	9521	114
Bear River near Wheatland Dry Creek near Wheatland	11.0L 12.0L	116 117	3 0	3 0	19 2	42 8	128 26	12[illegible] 14	152 22	22 1	6 0	1 [illegible]	1 [illegible]	1 0	4[illegible] 73	2 0
Unmeasured Accretions Diversions (e)			-9 0	-[illegible] 0	-13 0	-19 0	-91 0	+9[illegible] 0	-17 0	-2 4	+[illegible] [illegible]	-13 [illegible]	[illegible] 6	+5 2	-3[illegible] [illegible]	+[illegible] 0
At Nicolaus	[illegible].3		210	209	441	604	2231	144[illegible]	2[illegible]48	1634	838	154	8[illegible]	136	1003[illegible]	12[illegible]
Oroville to Nicolaus																
Total Unmeasured Accretions Total Diversions			14	-2[illegible] 13	-11 5	-10 0	+44 0	+61 0	+114 12	[illegible] 13[illegible]	+[illegible]1 12[illegible]	+[illegible]15 13[illegible]	+[illegible]23 12[illegible]	+[illegible] 59	+[illegible]11 [illegible]34	+[illegible] 4[illegible]
AMERICAN RIVER																
Computed Inflow to Folsom Reservoir		[illegible]	45	[illegible]1	114	173	598	579	862	1042	532	13[illegible]	41	29	4[illegible]6	34
Unmeasured Accretions Diversions Change in Storage	37 130		-3 0 -71	-3 0 -74	+3 0 +4[illegible]	+9 0 +59	+3 0 +115	-17 0 +50	-6 0 -38	0 0 +362	-11 [illegible] +30	-9[illegible] 0 -109	-8[illegible] 0 -192	-2 0 -1[illegible]1	-4[illegible]5 [illegible] +17	-4 0 -69
At Fair Oaks	19.[illegible]	131	113	132	71	123	486	512	894	68[illegible]	441	[illegible]30	224	188	414[illegible]	99
Unmeasured Accretions Diversions	[illegible]		-4 0	-4 [illegible]	-6 0	-4 0	-2 0	+33 0	+16 0	-17 1	+38 1	-7 1	-4 1	-8 1	+3[illegible] [illegible]	-2 1
At Sacramento	[illegible].1	[illegible]3	109	128	65	119	484	545	910	662	528	222	21[illegible]	179	4170	96
Folsom Reservoir to Sacramento																
Total Unmeasured Accretions Total Diversions			-[illegible] 0	-7 0	-3 0	+5 0	+1 0	+16 0	+10 0	-17 1	+27 1	-16 1	-13 1	-1[illegible] 1	-1[illegible] 5	-6 1
SUTTER BYPASS																
Butte Slough at Mawson Bridge	29.4	3	24	17	41	217	3788	988	118[illegible]	61	30	12	13	[illegible]	638[illegible]	6
Wadsworth Canal R[illegible] 15[illegible] Drain [illegible]indale Weir	26.7L [illegible].0R 18.9R	[illegible]4 [illegible]1 [illegible]8	6 4 3	2 1 0	2 3 3	8 8 118	33 39 845	13 20 304	16 26 38[illegible]	1 [illegible] [illegible]	13 25 [illegible]	[illegible]9 31 0	[illegible]4 30 [illegible]	9 17 0	13[illegible] 24[illegible] 166[illegible]	5 [illegible] [illegible]
Unmeasured Accretions Diversions		37[illegible]	+2 2	+[illegible] 1	+1 2	[illegible]	[illegible]	[illegible]	1	14	+50 16	+19 20	+15 18	+2[illegible] [illegible]	[illegible]1	1 2
Sacramento Slough at Sacramento River	-1.[illegible]	[illegible]2	37	28	48	NR	NR	NR	NR	NR	102	51	[illegible]5	48		14
COLUSA BASIN DRAIN																
At [illegible]gway [illegible]	38.[illegible]	[illegible]4	[illegible]7	[illegible]3	10	49	[illegible]87	125	9[illegible]	65	60	[illegible]4	[illegible]	[illegible]5	1[illegible]3	[illegible]3
Unmeasured Accretions Diversions		[illegible]81	+3 2	+2 1	+2 1	+1 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 4	[illegible] 1	[illegible]	[illegible]	[illegible]7	[illegible]
Near [illegible]ridge [illegible]ty	22.[illegible]L	[illegible]8	42	8	11	[illegible]	NR	N[illegible]	NR	NR	NR	NR	NR	NR	[illegible]	NR
Unmeasured Accretions Diversions		[illegible]1	-8 0	+7 0	-5	-4[illegible] [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 3	[illegible] 4	[illegible] 4	[illegible] 1	[illegible] [illegible]	[illegible]
At Knights Landing	[illegible].[illegible]L	[illegible]8	14	1[illegible]	[illegible]	1	0	0	[illegible]	[illegible]	[illegible]4	48	46	4[illegible]	[illegible]7	23
[illegible]way [illegible] Knights Landing																
Total Unmeasured Accretions Total Diversions			-1 2	[illegible] 1	-3 [illegible]	-48 0			[illegible]	[illegible]	[illegible]		1	[illegible]	4[illegible]	
YUBA RIVER																
At [illegible]ge[illegible]rie[illegible] [illegible]	[illegible].8	[illegible]	2[illegible]	[illegible]	[illegible]	144	57[illegible]	[illegible]2	485	[illegible]66	38[illegible]	[illegible]8	4[illegible]	[illegible]	[illegible]8[illegible]	[illegible]8
[illegible]er Rock [illegible] marty[illegible]e [illegible]y Creek [illegible]ir[illegible] [illegible]	[illegible].8	[illegible]	[illegible]	[illegible]	7 [illegible]	1[illegible] 1[illegible]	3[illegible] 4[illegible]	37 [illegible]	4[illegible] 34	5 4	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible] 1.8	[illegible]
[illegible]mmeasured Accretions [illegible]versions		[illegible]	+5 11	[illegible]5	+ 12	+11 4	+3[illegible]	+17 1	+52 [illegible]	+18 2[illegible]	-[illegible] [illegible]	-[illegible] [illegible]8	-[illegible] 2[illegible]	+[illegible] [illegible]	+[illegible]8 1[illegible]	+4 [illegible]2
Near M[illegible]ysville	[illegible].	[illegible]	[illegible].4	[illegible]	[illegible]8	1[illegible]	[illegible]1	4[illegible]	[illegible]1.	[illegible]5	14	4[illegible]	1[illegible]	[illegible]7	[illegible]1[illegible]	

Note: The [illegible]ed [illegible]ete[illegible] between gaging [illegible]t[illegible] were computed by subtracting the measured infl[illegible]w to a reach from the sum [illegible] the measured [illegible]ver[illegible] [illegible] mean [illegible]ril was [illegible]m that [illegible]. Unmeasured stream flow for periods [illegible]f no record are included in the unmeasured accretions.

– [illegible]ded [illegible]put[illegible] [illegible] unmeasured a[illegible]retio[illegible].
e [illegible]vided [illegible]t[illegible] [illegible]m [illegible]ol[illegible] [illegible]ow [illegible]en[illegible] [illegible]usa Irrigation [illegible]istr[illegible].
l [illegible]ded diver[illegible] [illegible]m [illegible]ver [illegible]ve [illegible]elow N[illegible] [illegible].
3 [illegible]ded diver[illegible] [illegible]m [illegible] [illegible]ver [illegible]ow [illegible]ge [illegible].
e [illegible] diver[illegible] [illegible]m [illegible] [illegible]ver [illegible]ow wheatland.

TAB

SUMMARY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETIONS
SAN JOAQUIN RIVER AND TRIBUTARIES

In thousands of acre-feet

Item	Mileage	Record in Table No.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Water Year Total	Oct.
									SAN JOAQUIN RIVER							
Computed Inflow to Millerton Lake		144	[illegible]	[illegible]	82	8	112	211	[illegible]	[illegible]	488	[illegible]	[illegible]	[illegible]	2568	85
Unmeasured Accretions Change in Storage		145	-1 +21	+ +51	-1 +26	-1 +20	+1 +18	+11 +74	+3 -8	-1 +8	-1 +39	-4 -84	-4 -[illegible]8	-1 -81	+ -2	-1 +1
Madera Canal at Head Friant-Kern Canal at Head	[illegible]	[illegible]	[illegible] 18	[illegible] 4	0 [illegible]	0 5	[illegible] 80	4 67	6 34	28 84	52 17	74 46	56 26	29 143	244 1245	9 43
Diversions		[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Below Friant	[illegible]	[illegible]	6	5	5	5	6	87	416	38[illegible]	226	21	9	7	1182	9
Little Dry Cr. at Mouth, nr. Friant	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	2	12	20	1	0	[illegible]	[illegible]	0	35	[illegible]
Unmeasured Accretions Diversions		[illegible]	1	-1 0	0 0	0 [illegible]	0 [illegible]	-7 0	-14 0	-23 2	-4 3	+6 3	+2 3	+1 1	-40 14	+1 1
Near Biola	237.4R	148	[illegible]	4	5	5	8	92	422	[illegible]65	214	74	8	[illegible]	1164	9
Unmeasured Accretions Diversions		[illegible]	-3 0	-2 0	-2 0	-2 0	-3 [illegible]	-15	-54 0	-8 [illegible]	0	+223 0	-3 0	-3 0	+228 [illegible]	-4 [illegible]
At Whitehouse	219.83R	149	2	2	3	3	5	[illegible]	368	350	219	247	5	[illegible]	1292	3
Delta-Mendota Canal [illegible]	209.0L	[illegible]	50	18	4	0	0	8	0	0	7	126	144	90	447	58
Unmeasured Accretions Diversions [illegible]		[illegible]	-15 32	-5 13	-2 2	-1 2	-2 3	-4 11	+5 20	+87 124	+94 123	-228 123	-1 121	-15 0	-87 434	-19 37
Near Mendota	206.2L	150	5	2	3	0	0	70	353	320	197	22	27	19	1018	5
Unmeasured Accretions Diversions		[illegible]	+2 0	+2 4	+1 4	+1 0	+1 0	-5 1	+6 4	+13 22	+8 25	+7 27	-2 25	0 19	+34 138	+2 7
Near Dos Palos	186.0L	151	0	0	0	1	1	64	355	311	180	2	0	0	914	0
[illegible] River near [illegible]	184.0R	152	0	1	2	3	15	41	67	12	8	4	2	1	156	1
[illegible] R. at Bl[illegible]	151.0R	153	0	0	1	4	16	41	64	8	2	1	0	0	137	0
Mariposa Creek below [illegible]		154	0	0	0	3	9	20	30	2	0	0		0	64	0
Owens Creek below Owens Reservoir*		[illegible]	0	0	0	1	2	3	5	1	0	0	0	0	12	0
Burns Creek below Burns Reservoir		184	0	0	0	4	9	16	15	0	0	0	0	0	44	0
Bear Creek below Bear Reservoir*		183	0	0	0	1	7	15	16	1	0	0	0	0	42	0
Salt Slough near Los Banos		156	3	2	3	4	6	14	47	34	23	12	9	[illegible]	164	3
Unmeasured Accretions Diversions		[illegible]	+2 0	+1 0	+2 0	+16 0	+59 0	+67 0	-134 0	-122 0	-42 0	+21 2	+10 2	+14 1	-106 5	+9 1
At Fremont Ford Bridge	129.6L	[illegible]	[illegible]	3	5	21	66	145	268	223	101	33	17	20	967	11
Merced River near Stevinson	123.7SR	162	13	9	10	16	30	119	266	330	197	37	14	17	1058	14
Unmeasured Accretions Diversions [c]		[illegible]	+1 0	+1 0	+3 0	+7 0	+16 0	+55 0	+293 0	+107 1	+69 1	+16 1	+1 1	+1 1	+570 5	+2 1
Near Newman	123.[illegible]	171	19	13	18	44	112	319	827	659	426	85	31	37	2590	26
Merced River through near Newman	122.2R	170	0	0	0	0	0	0	7[illegible]	37	12	0	0	0	125	0
Orestimba Creek near Newman	115.0L	172	0	0	0	1	9	9	22	1	0	0	0	0	42	0
Unmeasured Accretions Diversions		[illegible]	+17 1	+8 0	+13 0	0 0	0 0	+17 0	-894 1	+94 8	+86 8	+51 10	+30 11	+23 [illegible]	-555 46	+26 1
At Grayson	[illegible].0S	173	36	21	31	45	121	345	30	783	516	126	50	53	2156	51
Tuolumne River at Tuolumne City	91.0R	180	61	89	97	58	95	288	531	444	305	106	29	47	2150	93
Unmeasured Accretions Diversions [d]		[illegible]	+7 1	+4 0	+2 0	0 0	+23 0	+35 0	+1024 2	-93 13	-88 13	+18 13	+17 9	+20 7	+969 58	+7 2
At Hetch Hetchy Aqueduct Crossing	82.6S	181	102	114	130	103	230	668	1583	1121	720	230	87	113	5217	149
Stanislaus River Near Mouth	79.7R	184	18	12	17	33	79	143	259	3[illegible]	[illegible]44	[illegible]5	15	21	1220	20
Unmeasured Accretions Diversions [e]		[illegible]	+7 1	+8 0	+11 0	+13 0	-10 0	-67 0	-181 0	-108 3	-11 4	-10 4	-3 5	+4 3	-361 20	+6 1
Near Vernalis	76.7L	187	126	134	153	149	302	744	1661	1379	929	252	94	133	6056	174
Millerton Lake to Vernalis																
Total Unmeasured Accretions Total Diversions			+17 43	+17 17	+27 [illegible]	+33 2	+79 3	+87 12	+54 27	-54 173	+111 177	+94 183	+47 177	+41 99	+553 719	+30 [illegible]
									MERCED RIVER							
At Exchequer	[illegible]	[illegible]	6	2	3	3	3	89	231	406	257	131	100	68	1299	28
Unmeasured Accretions			-2	-2	-2	+1	+5	-2	-1	-13	-17	-9	-9	-6	-57	-3
Merced Irrigation District Canals	46.0	[illegible]	3	0	0	0	0	0	19	88	97	107	89	61	464	24
Below Snelling	42.1	[illegible]	1	0	1	4	8	87	211	305	143	15	2	1	778	1
Unmeasured Accretions Diversions		[illegible]	+4 1	+4 0	+5 [illegible]	+9 0	+18 0	+32 0	+64 0	+32 1	+33 1	+14 2	+6 2	+6 1	+229 8	+6 1
At Cressey	[illegible].[illegible]	[illegible]	6	4	[illegible]	13	[illegible]	119	275	330	175	[illegible]7	6	[illegible]	969	0
Unmeasured Accretions Diversions		[illegible]	+7 0	+5 0	+4 0	+3 0	+4 0	0 0	-9 0	-5 1	+24 2	+13 3	+10 2	+12 1	+88 9	+9 1
Near Stevinson	4.6R	[illegible]	13	9	[illegible]0	16	30	119	266	330	197	37	14	17	1058	14
Exchequer to Stevinson																
Total Unmeasured Accretions Total Diversions			+11 1	+7 0	+7 0	+13 0	+27 0	+3 [illegible]	+54 [illegible]	+14 2	+40 3	+18 [illegible]	+7 4	+12 [illegible]	+[illegible] 17	+12 2

Note: The unmeasured accretions between gaging stations were computed by subtracting the measured inflows to a reach from the sum of the measured diversions and measured outflows from that reach.

* Not included in computations of unmeasured accretions.
a Diversions from Delta-Mendota Canal into Mendota Pool as computed by U. S. Bureau of Reclamation.
b Includes diversions from Fresno Slough and James Bypass.
c Includes diversions from Merced River below Stevinson.
d Includes diversions from Tuolumne River below Tuolumne City.
e Includes diversions from Stanislaus River below Mile 1.9.

TABLE 21

SUMMARY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETIONS
SAN JOAQUIN RIVER AND TRIBUTARIES (continued)

In thousands of acre-feet

Item	Mileage	Record in Table No.	1957			1958									Water Year Total	1958
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		Oct.
TUOLUMNE RIVER																
Above La Grange Dam		174	78	91	7	57	65	270	440	458	354	208	140	137	2388	137
Unmeasured Accretions			+1	-2	+1	0	+2	-7	-10	-16	-13	-2	+1	-2	-47	+3
Modesto Canal	53.5R	391	20	5	0	0	0	11	17	61	65	61	53	39	332	27
Turlock Canal	53.4L	392	10	0	1	18	8	5	33	87	106	98	87	75	528	41
At La Grange Bridge	50.5	175	49	84	90	39	59	247	380	294	170	47	1	21	1481	72
Unmeasured Accretions			-1	+2	+11	+6	+5	+21	+33	+13	+9	+5	+2	+5	+111	+1
Diversions		393	0	0	0	0	0	0	0	0	0	0	0	0	0	0
At Roberts Ferry Bridge	39.9	176	48	86	101	45	64	268	413	307	179	52	3	26	1592	73
Unmeasured Accretions			+6	+4	-1	+4	+3	-4	-24	-10	+10	+9	+5	+4	+6	+1
Diversions		390	0	0	0	0	0	0	0	0	0	0	0	0	0	0
At Hickman Bridge	31.7	177	54	90	100	49	67	264	389	297	189	61	8	30	1598	74
Dry Creek near Modesto	16.5R	178	4	1	2	8	29	30	38	7	6	6	5	6	142	6
Unmeasured Accretions			+5	+5	+3	+6	-1	0	+27	+28	+12	+13	+10	+9	+117	+10
Diversions (a)		392	0	0	0	0	0	0	0	0	0	0	0	0	0	0
At Modesto	16.05L	179	63	96	105	63	95	294	454	332	207	80	23	45	1857	90
Unmeasured Accretions			-2	-7	-8	-5	0	-6	+77	+112	+99	+27	+7	+3	+297	+3
Diversions		392	0	0	0	0	0	0	0	0	1	1	1	1	4	0
At Tuolumne City	3.35	180	61	89	97	58	95	288	531	444	305	106	29	47	2150	93
Above La Grange Dam to Tuolumne City																
Total Unmeasured Accretions			+9	+2	+6	+11	+9	+4	+103	+127	+117	+52	+25	+19	+484	+18
Total Diversions			0	0	0	0	0	0	0	0	1	1	1	1	4	0
STANISLAUS RIVER																
Below Melones Powerhouse		182	28	40	11	36	62	112	254	477	317	118	97	55	1607	32
Unmeasured Accretions			-8	-37	-8	+1	+10	+24	+3	-66	-31	+4	+10	+29	-69	+15
Oakdale Canal	58.6L	394	5	0	0	0	0	0	12	32	32	33	33	31	178	18
South San Joaquin Canal	58.6R	394	11	0	0	8	0	1	25	69	65	74	72	51	376	22
Diversions		394	0	0	0	0	0	0	0	0	0	0	0	0	0	0
At Orange Blossom Bridge	47.0	183	4	3	3	29	72	135	220	310	189	15	2	2	984	7
Unmeasured Accretions			+3	+4	+3	0	+10	+10	+2	+50	+7	+7	+5	+5	+106	+4
Diversions		394	0	0	0	0	0		0	0	0	0	0	0	0	0
At Riverbank	33.6	184	7	7	6	29	82	145	222	360	196	22	7	7	1040	11
Unmeasured Accretions			+7	+3	+4	+3	-4	-8	+21	+2	+21	+16	+13	+13	+91	+9
Diversions		394	0	0	0	0	0	0	0	0	0	1	1	0	2	0
At Ripon	15.7L	185	14	10	10	32	78	137	243	372	217	37	19	20	1179	20
Unmeasured Accretions			+5	+2	+2	+1	+1	+6	+18	+12	+13	+5	+2	+6	+73	+3
Diversions		394	1	0	0	0	0	0	2	5	6	7	6	5	32	3
Near Mouth	1.9R	186	18	12	12	33	79	143	259	369	224	35	15	21	1220	20
Melones Powerhouse to Mouth																
Total Unmeasured Accretions			+7	-28	+1	+5	+17	+32	+44	-2	+10	+32	+30	+53	+201	+31
Total Diversions			1	0	0	0	0	0	2	5	6	8	7	5	34	3
MORMON SLOUGH																
At Bellota	0.05	196	0	0	2	19	63	52	154	7	4	4	3	2	310	0
Unmeasured Accretions			0	0	-1	-2	+9	+2	-34	-2	-2	-2	-1	-1	-34	0
Diversions		383	0	0	0	0	0	0	0	0	1	1	1	0	3	0
Stockton Diverting Canal at Stockton	1.2	197	0	0	1	17	72	54	120	5	1	1	1	1	273	0
CALAVERAS RIVER																
At Jenny Lind	36.9	193	0	1	4	21	69	51	153	12	11	12	12	6	352	0
Unmeasured Accretions			0	-1	0	+1	-6	+9	+1	-5	-6	+1	-1	0	-7	0
Mormon Slough at Bellota	25.3L	197	0	0	2	19	63	52	154	7	4	4	3	2	310	0
Diversions		383	0	0	0	0	0	0	0	0	1	1	1	0	3	0
At Bellota	25.25L	194	0	0	2	3	NR	8	NR	NR	NR	8	7	4		0
Unmeasured Accretions			0	0	-1	-1	+9	-2	+9	+3	+5	-3	-2	-2	+15	0
Diversions		183	0	0	0	0	0	0	0	1	3	3	3	1	11	0
Near Stockton	7.9L	195	0	0	1	2	9	6	9	2	2	2	2	1	36	0
Jenny Lind to Stockton																
Total Unmeasured Accretions			0	-1	-1	0	+3	+7	+10	-2	-1	-2	-3	-2	+8	0
Total Diversions			0	0	0	0	0	0	0	1	4	4	4	1	14	0
MOKELUMNE RIVER																
At Lancha Plana		4	27	27	26	37	56	115	153	162	175	52	43	41	914	39
Near Clements	39.35	1	27	27	27	39	59	119	163	160	175	52	42	40	930	39
Unmeasured Accretions			+11	0	-1	-1	-1	-2	-3	-11	+7	+4	-2	+1	+4	0
Rivers ons		198	19	3	0	0	0	0	3	18	19	25	24	17	128	12
At Woodbridge	19.2		19	24	26	38	58	117	157	131	163	31	16	24	804	27
COSUMNES RIVER																
At Michigan Bar	34.1	4	2	3	7	24	105	152	225	91	34	8	3	2	656	2
Unmeasured Accretions			-1	-1	-1	+6	+29	+39	+70	+10	+2	0	0	0	+153	0
Diversions		181	0	0	0	0	0	0	1	1	2	2	2	2	9	1
At McConnel	10.7	3	1	2	6	30	134	191	295	100	14	6	1	0	800	1

Note: The unmeasured accretions between gaging stations were computed by subtracting the measured inflows to a reach from the sum of the measured diversions and measured outflows from that reach. Unmeasured stream flow for periods of no record are included in the unmeasured accretions.

a Includes diversions from Dry Creek below Modesto.

TABLE 22

SUMMARY OF MONTHLY STREAM FLOW, DIVERSIONS, AND ACCRETIONS
TULE RIVER AND TULARE LAKE BASIN

In thousands of acre-feet

Item	Mileage	Record in Table No.	1957			1958									Water Year Total	1958
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		Oct.
									TULE RIVER							
Near Porterville	-1.	.11	1	2	5	7	14	32	46	38	17	5	2	1	17	1
Unmeasured Accretions			0	0	+1	+2	+4	+13	+18	+9	+6	+2	0	+1	+56	+1
Diversions		305	0	0	0	1	1	0	1	1	1	1	1	1	8	1
At Worth Bridge	2.2	212	1	2	6	8	17	45	63	46	22	6	1	1	218	1
Friant-Kern Canal to Porter Slough*	3.2R	217	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Canal to Tule River	11.3	213	0	0	0	0	3	3	0	0	19	23	25	12	85	0
Unmeasured Accretions			-1	0	-5	-6	-17	-29	-17	-28	-42	-23	-25	-13	-186	-2
Diversions		395	0	2	1	2	3	5	7	16	19	6	1	0	62	1
At Turnbull Station	39.2	216	0	0	0	0	0	14	39	2	0					
Porterville to Turnbull Station																
Total Unmeasured Accretions			-1	0	-4	-4	-13	-16	+1	-19	-16	-21	-25	-12	-130	+1
Total Diversions			0	2	1	3	4	5	8	17	20	7	2	1	70	2
									INFLOW TO TULARE LAKE BASIN							
South Fork Kings River below Empire Weir 2		208	0	0	0	2	0	1	2	3	19	5	5	1	38	1
Cross Creek below Lakeland Canal 2		209	0	0	0	0	0	0	25	21	6	0	0	0	52	0
Tule River at Turnbull Station		216	0	0	0	0	0	14	39	2	0					
Total Measured Inflow to Tulare Lake Bed			0	0	0	2	0	15	66	26	25					

Note: The unmeasured accretions between gaging stations were computed by subtracting the measured inflows to a reach from the sum of the measured diversions and measured outflows from that reach. Unmeasured stream flow for periods of no record are included in the unmeasured accretions.
* Not included in computations of unmeasured accretions.

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
AMERICAN RIVER AT ELVAS (Stage only)																
38 35 2c	121 26 58	NE32 9N 5E		32.5	4/ 7/58		40.5	11/21/50				MAR 28-AUG 52# OCT 52-DATE	1928 1929 1938	1929 1938	6.06 -1.26 0.00	USED USED USED
Station located at So. Pacific Railroad bridge, 0.3 mi. below U. S. Highway 99E bridge, immediately N of Sacramento. Flow regulated by Folsom Reservoir. Backwater from Sacramento River at times affects stage-discharge relationship. Maximum gage height listed does not necessarily indicate maximum discharge.																
AMERICAN RIVER AT FAIR OAKS																
33 38 08	121 13 36	NE17 9N 7E	36200	12.20	4/ 7/58	180000	31.85	11/21/50	4142000	2213000	NOV 04-DATE	NOV 04-DATE	1904 1930 1957	1930 1957	65.79 64.79 77.53	USGS USGS USGS
Station located 2,19[illegible] ft. below Nimbus Dam, 2.4 mi. E of Fair Oaks. Prior to Jan. 1, 1958, at site 2.2 mi. downstream. Flow regulated by Folsom Reservoir. Records furn. by U.S.G.S. Drainage area is 1,889 sq. mi.																
AMERICAN RIVER AT GARDEN HIGHWAY (Stage only)																
38 36 09	121 30 30	NE27 9N 4E		31.2	4/ 7/58		33.8	11/21/50				MAR 36-DATE #			0.00	USED
Station located at Jibboom Street Bridge, at confluence with Sacramento River, immediately N of Sacramento. Backwater from Sacramento River at times affects stage-discharge relationship. Maximum gage height listed does not necessarily indicate maximum discharge.																
AMERICAN RIVER AT SACRAMENTO																
38 34 07	121 25 22	SW 3 8N 5E	37300	34.11	4/ 7/58	176000	45.73	11/21/50	4169000	2200000	JUL 21-OCT 21 MAY 24-DEC 428 MAY 43-DATE	JUL 21-OCT 21 JUN 24-NOV 24 JUN 25-DATE	1921		0.00 -3.07	USED USGS
Station located at H Street Bridge. Backwater at times affects the stage-discharge relationship. Records furn. by U.S.G.S.																
ANTELOPE CREEK NEAR MOUTH																
40 05 54	122 06 58	SE17 26N 2W								24630	JUN 47-DEC 48 APR 49-DEC 57	JUN 47-DEC 48 APR 49-JAN 58	 1956	1956	0.00 -1.00	LOCAL LOCAL
Station located 0.3 mi. above mouth, 5.4 mi. N of Los Molinos. Tributary to Sacramento River. Backwater at times affects the stage-discharge relationship. Station discontinued Jan. 31, 1958.																
ANTELOPE CREEK NEAR RED BLUFF																
40 12 10	122 07 05		11100	12.35	2/24/58	11500	12.43	2/22/56	191500	79830	OCT 40-DATE	39-DATE				
Station located 1.8 mi. above diversion dam of Los Molinos Mutual Water Co., 6.5 mi. E of Red Bluff. Tributary to Sacramento River. Small diversion above station during Oct. to June each year. Records furn. by U.S.G.S. Drainage area is 124 sq. mi.																
ASH CREEK AT ADIN																
41 11 54	120 56 30	SW21 39N 9E	1690E	12.67	2/24/58				89800		37-SEP 578 SEP 57-DATE	37-SEP 578 SEP 57-DATE	1957		0.00	LOCAL
Station located 300 ft. above U. S. Highway 299 bridge. Tributary to Pit River. Stage-discharge relationship at times affected by ice. Station installed Sept. 12, 1957.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
AUBURN RAVINE AT LINCOLN																
38 53 22	121 17 00	SE15 12N 6E	1960	11.54	4/ 2/58				58430	39760	NOV 47-DATE	NOV 47-DATE	1956	1956	150.74	USCGS
													1956		148.59	USCGS
Station located 500 ft. below the Lincoln-Newcastle Highway bridge. Tributary to Sacramento River via Natomas Cross Canal. Flow regulated by power plants. Drainage area is 34.6 sq. mi.																
BATTLE CREEK NEAR COTTONWOOD																
40 23 50	123 08 05	NW 6 29N 2W	8430	10.27	2/24/58	12800	11.85	2/ 6/42	473500	301500	OCT 40-DATE	SEP 40-DATE	1940		421.47	USGS
Station located 6.3 mi. above mouth, 7.6 mi. E of Cottonwood. Tributary to Sacramento River. From 50 c.f.s. to 90 c.f.s. bypasses station through Coleman Fish Hatchery. Flow regulated by small power plants and reservoirs above station. Records furn. by U.S.G.S.																
BEAR CREEK BELOW BEAR RESERVOIR																
37 21 27	120 14 05	NE 5 7S 16E	1590	5.68	4/ 3/58	4460		12/24/55	42880	6082	JAN 55-DATE	JAN 55-DATE	1955		320.50	USGS
Station located approx. 0.75 mi. below Bear Dam. Prior to Dec. 5, 1956, at site approx. 0.75 mi. upstream at out-rating box of dam. Tributary to San Joaquin River. Flow regulated by Bear Reservoir. Records furn. by U.S.C.E. Drainage area is 72 sq. mi.																
BEAR CREEK NEAR CATHAY																
37 28 38	120 06 43	SW21 5S 17E				2570E	9.36	4/ 3/58			DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL
Station located at highway bridge, 3.7 mi. N of Cathay School. Tributary to San Joaquin River. Drainage area is 24.9 sq. mi. Station installed Dec. 9, 1957.																
BEAR CREEK NEAR LOCKEFORD																
38 09 15	121 08 15	SE31 4N 8E	2930	15.13	4/ 3/58	2930	15.13	4/ 3/58	26850	3210	NOV 30-SEP 33 OCT 43-DATE	NOV 30-SEP 33 OCT 43-DATE				
Station located 15 ft. below county road bridge, 0.8 mi. SE of Lockeford. Tributary to San Joaquin River. Records furn. by U.S.G.S. Drainage area is 48.4 sq. mi.																
BEAR CREEK NEAR RUMSEY																
38 56 41	122 20 44	SW30 13N 4W	8100E	12.33	2/24/58	8100E	12.33	2/24/58	89880	11060	SEP 55-DATE	SEP 55-DATE	1955		0.00	LOCAL
Station located 7.3 mi. NW of Rumsey, 1.4 mi. above mouth. Tributary to Cache Creek. Drainage area is 99.0 sq. mi.																
BEAR RIVER NEAR WHEATLAND																
39 00 01	121 24 20	SW 3 13N 5E	16000	12.93	4/ 2/58	33000	19.30	12/22/55	497900	226900	OCT 28-DATE	OCT 28-DATE	1928	1943	81.50	USGS
													1943		78.92	USGS
Station located on U. S. Highway 99E bridge, 1 mi. SE of Wheatland. Tributary to Feather River. Medium and low flows affected by upstream regulation. Records furn. by U.S.G.S. Drainage area is 295 sq. mi.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR.	1957 CALENDAR YR.			PERIOD		ZERO ON GAGE	REF. DATUM
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M D.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	IN AC.-FT.	IN AC.-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO		
BIG CHICO CREEK AT CHICO																
39 43 38	121 51 43	CE28 22N 1E	1880E	10.97	2/24/58				111600	45020	JAN 56-DATE	JAN 56-DATE	1956		167.88	USED
Station located at Rose and Bidwell Avenues. Tributary to Sacramento River. For total flow of Big Chico Creek near Mouth, combine with flow of Lindo Channel near Chico.																
BIG CHICO CREEK NEAR CHICO																
39 46 35	121 45 10		4370	11.13	2/24/58	8260	16.6	12/10/37	193000	83180	MAY 30-DATE	MAY 30-DATE				
Station located 1.8 mi. above golf clubhouse in Bidwell Park, 7 mi. NE of Chico. Tributary to Sacramento River. Records furn. by U.S.G.S. Drainage area is 67.9 sq. mi.																
BIG SAGE RESERVOIR NEAR ALTURAS (Stage only)																
41 34 42	120 37 33	SE 7 43N 12E					24.43	2/27/58				OCT 57-DATE	1957		0.00	LOCAL
Station located at gate control structure, 150 ft. N of Big Sage Dam, 8 mi. NW of Alturas. Maximum gage height listed does not necessarily indicate maximum discharge. Station installed Oct. 11, 1957.																
BURNEY CREEK NEAR BURNEY																
40 52 18	121 40 58	SW19 35N 3E				334E	8.21	5/11/58			APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL
Station located 300 ft. above county road bridge, 0.8 mi. SW of Burney. Tributary to Pit River. Stage-discharge relationship at times affected by ice. Drainage area is 87.7 sq. mi. Station installed Apr. 21, 1958.																
BURNS CREEK BELOW BURNS RESERVOIR																
37 22 27	120 16 35	NE36 6S 15E	1940	7.25	4/ 3/58	2590		12/24/55	44750	1012	APR 50-DATE	APR 50-DATE	1950		260.60	USGS
Station located 0.5 mi. below Burns Dam. Tributary to San Joaquin River via Bear Creek. Flow regulated by Burns Reservoir. Records furn. by U.S.C.E. Drainage area is 73.8 sq. mi.																
BUTTE CREEK NEAR ADIN																
41 07 12	120 52 36	NE24 38N 9E				117E	5.55	2/24/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located 6.4 mi SE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice. Station installed Nov. 20, 1957.																
BUTTE CREEK NEAR CHICO																
39 43 34	121 42 28	NW36 22N 2E	9140	9.52	2/24/58	18700	13.35	12/22/55	495900	257600	NOV 30-DATE	NOV 30-DATE				
Station located 0.7 mi below Little Butte Creek, 7.5 mi. E of Chico. Tributary to Butte Slough. Flow slightly regulated by storage in Magalia Reservoir. Considerable importations above station from West Branch Feather River via power plants. Records furn. by U.S.G.S. Drainage area is 148 sq. mi.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
BUTTE SLOUGH AT MAWSON BRIDGE																
39 11 14	121 54 28	SW31 16N 1E	127000	64.80	2/21/58		68.9	3/ 1/40	6381000	614100	JAN 39-DATE	NOV 34-MAY 37# OCT 37-DATE	1934		0.00	USED
Formerly published as Butte Slough to Sutter Bypass. Station located at West Butte-Meridian Highway bridge, 3.0 mi. N of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City by bank spill and spill over Moulton and Colusa Weirs.																
BUTTE SLOUGH AT OUTFALL GATES																
39 11 44	121 56 04	NE35 16N 1W							82850	128700	JUN 24-OCT 38# JAN 39-DATE	JUN 24-DATE			0.00	USED
Formerly published as Butte Slough to Sacramento River. Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. These flows, together with flow of Butte Slough at Mawson Bridge and Wadsworth Canal at Butte House Road are, during the summer months, made up almost entirely of return water from lands irrigated by Feather River diversions.																
CACHE CREEK NEAR CAPAY																
38 43 40	122 06 15	SE 8 10N 2W	51600	20.90	2/24/58	51600	20.90	2/24/58	1418000	257000	MAY 42-DATE	MAY 42-DATE				
Station located 1.8 mi. above Clear Lake Water Co. diversion dam, 3.2 mi. NW of Capay. Flow partially regulated by Clear Lake. Records furn. by U.S.G.S. Drainage area is 1,052 sq. mi.																
CACHE CREEK AT YOLO																
38 43 30	121 48 25		41400	33.11	2/25/58	41400	33.11	2/25/58	1348000	99200	JAN 03-DATE	JAN 03-DATE	1903	1930	61.1	USED
															58.24	USGS
Station located 800 ft. above U. S. Highway 99W bridge, 0.5 mi. S of Yolo. Tributary to Yolo Bypass. Records furn. by U.S.G.S. Drainage area is 1,137 sq. mi.													1930	1944	59.1	USED
															56.27	USGS
													1944		55.1	USED
															52.27	USGS
CALAVERAS RIVER AT BELLOTA																
38 03 13	121 00 46	NW 5 2N 9E								29430	NOV 48-DATE	NOV 48-DATE			0.00	LOCAL
Station located 140 ft. above State Highway 8 bridge, 60 ft. below head gates. Flow regulated by head gates operated by Stockton Irrigation District.																
CALAVERAS RIVER AT JENNY LIND																
38 05 20	120 51 53	NW27 3N 10E	12200	13.17	4/ 3/58	50000	21.0	1/31/11	352200	70430	JAN 07-DATE	DEC 06-DATE				
Station located 70 ft. below Milton Road bridge, 0.2 mi. S of Jenny Lind. Flow affected by upstream regulation. Records furn. by U.S.G.S. Drainage area is 395 sq. mi.																
CALAVERAS RIVER NEAR STOCKTON																
38 00 45	121 14 23	NW20 2N 7E	668	8.91	3/22/58	668	8.91	3/22/58	34670	8005	DEC 48-DATE	DEC 48-DATE	1955		0.00	LOCAL
Station located 0.9 mi. below Solari Road bridge, 4 mi. NE of Stockton.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M D.B.&M	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
CHOWCHILLA RIVER AT BUCHANAN DAM SITE																
37 13 00	119 59 00	SE22 8S 18E	14000	13.02	4/ 3/58	30000	16.50	12/23/55	137700	19550	OCT 21-SEP 23 OCT 30-DATE	OCT 21-SEP 23 JUN 30-DATE	1930		407.30	USGS
Station located 1.9 mi. above Raynor Creek, 4.3 mi. W of Raymond. Records furn. by U.S.G.S. Drainage area is 238 sq. mi.																
CLEAR CREEK NEAR IGO																
40 30 50	122 31 21	NE27 31N 6W	18200	11.94	2/24/58	24500	13.75	12/21/55	785700	318100	OCT 40-DATE	SEP 40-DATE				
Station located at highway bridge on Redding-Igo road, 1.0 mi. NE of Igo, 8 mi. SW of Redding. Tributary to Sacramento River. Records furn. by U.S.G.S. Drainage area is 228 sq. mi.																
COLUSA BASIN DRAIN NEAR COLLEGE CITY																
39 00 38	121 58 38	NE 4 13N 1W		35.0	2/16/58					432600	OCT 44-APR 52 MAR 54-FEB 58	OCT 44-APR 52 MAR 54-FEB 58 JUN 58-DATE	1957	1957	-0.34 0.00	USED USED
Station located 0.1 mi. below highway bridge, 1.7 mi. E of College City. Flow is drainage chiefly from lands irrigated by Glenn-Colusa, Provident, Princeton-Codora-Glenn, Compton-Delevan, Maxwell, and Jacinto Irrigation Districts. Backwater from Knights Landing Outfall Gates at times affects stage-discharge relationship.																
COLUSA BASIN DRAIN AT HIGHWAY 20																
39 11 44	122 03 34	NE34 16N 2W	25400E	51.93	2/21/58	25400E	51.93	2/21/58	1000000	393700	JUN 24-DEC 408 MAY 41-DATE	JUN 24-DEC 408 MAY 41-DATE	1957	1957	37.09 0.00	USED USED
Station located at State Highway 20 bridge, 3.0 mi. W of Colusa. Flow is return water in main drain of Reclamation District 2047, chiefly drainage from irrigation districts.																
COLUSA BASIN DRAIN AT KNIGHTS LANDING																
38 47 58	121 43 27	SW14 11N 2E		36.72	2/28/58		36.8	2/10/42	236100	347400	MAY 24-OCT 398 JAN 40-DATE	MAY 24-OCT 398 JAN 40-DATE	1924		0.00	USED
Station located at Knights Landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento, combine with flows of Reclamation District 787 to Colusa Basin Drain. Maximum gage height listed does not indicate maximum discharge.																
COLUSA WEIR SPILL TO BUTTE BASIN																
39 14 12	121 59 38	SE17 16N 1W	77700	68.83	2/26/58		70.6	3/ 1/40	4344000	348500	JAN 40-DATE	JAN 35-DATE	1935		0.00	USED
Formerly published as Colusa Weir from Sacramento River to Butte Basin. Station located at N end of weir, 2.0 mi. N of Colusa. Elev. of weir crest is 61.80 ft. U.S.E.D. datum; length of crest is 1,650 ft.																
CONTRA COSTA CANAL NEAR OAKLEY																
37 59 45	121 42 00	NE25 2N 2E							47880	53850	FEB 50-DATE		1950	1952	121.72	USGS
Station located at Pumping Plant No. 1, 0.7 mi. E of Oakley, 2.6 mi. NE of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lifts the water about 115 ft. into canal. Records furn. by U.S.B.R.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT.	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
COON CREEK AT HIGHWAY 99E																
38 56 15	121 20 59	NW31 13N 6E	5320	54.41	4/ 2/58	6180E	54.88	12/23/55	84120		NOV 47-DATE	NOV 47-DATE				
Station located 20 ft. below U. S. Highway 99E bridge, 3.2 mi. SE of Sheridan. Tributary to Sacramento River via Natomas Cross Canal. Drainage area is 82.5 sq. mi.																
COSUMNES RIVER AT McCONNELL																
38 21 29	121 20 34	20 6N 6E	32600	46.10	4/ 3/58	54000	46.26	12/23/55	798800	235800	JAN 42-DATE	JAN 31-MAY 40# DEC 41-DATE	1931		0.00	USED
Station located on U. S. Highway 99 bridge, 0.2 mi. S of McConnell, 7.0 mi. N of Galt. Records furnished by U.S.G.S. Drainage area is 730 sq. mi.																
COSUMNES RIVER AT MICHIGAN BAR																
38 30 00	121 02 45	SE36 8N 8E	29300	12.18	4/ 3/58	42000	14.59	12/23/55	655100	240000	OCT 07-DATE	OCT 07-DATE	1907		168.09	USGS
Station located on highway bridge at Michigan Bar, 5.5 mi. SW of Latrobe. Records furn. by U.S.G.S. Drainage area is 537 sq. mi.																
COTTONWOOD CREEK NEAR COTTONWOOD																
40 23 10	122 14 15	NE 7 29N 3W	48600	15.20	2/19/58	52300	15.4	3/ 1/41	1514000	507200	OCT 40-DATE	SEP 40-DATE				
Station located 2 mi. E of Cottonwood, 2.4 mi. above mouth. Tributary to Sacramento River. At times during irrigation season, Cottonwood Creek receives water above station from Sacramento River by way of Anderson-Cottonwood Canal. Records furn. by U.S.G.S. Drainage area is 945 sq. mi.																
COW CREEK NEAR MILLVILLE																
40 32 20	122 13 55	NW32 31N 3W	23600	16.55	11/13/58	45200	21.55	12/27/51	831400	387600	OCT 49-DATE	OCT 49-DATE				
Station located 4.2 mi. SW of Millville, 4.3 mi. below Little Cow Creek. Tributary to Sacramento River. Records furn. by U.S.G.S. Drainage area is 427 sq. mi.																
CROSS CREEK BELOW LAKELAND CANAL 2																
36 12 42	119 34 05	NE10 20S 22E							52640	496	21-DATE					
Station located below Cross Creek Weir, 4 mi. E of Guernsey. Tributary to Tulare Lake area. At times the flow is a combination of water from Kaweah River, Kings River, and Cottonwood Creek. Records furn. by Corcoran Irrigation District.																
DEER CREEK AT HIGHWAY 99E																
39 56 48	122 03 12	SE 7 24N 2W								180700	JUL 42-OCT 42 MAY 48-DEC 48 APR 49-DEC 57	JUL 42-OCT 42 MAY 48-DEC 48 APR 49-JUN 49 DEC 49-JAN 58	1956		0.00	LOCAL
Station located 300 ft. below U. S. Highway 99E bridge, 0.9 mi. NW of Vina. Tributary to Sacramento River. Station discontinued Jan. 31, 1958.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
DEER CREEK NEAR NEVADA CITY																
39 16 05	120 59 53	NW 8 16N 9E	812	4.49	4/ 2/58	812	4.49	4/ 2/58	63010		JUN 57-DATE	JUN 57-DATE	1957		0.00	LOCAL
Station located 1.0 mi. NE of Nevada City. Tributary to Yuba River. Drainage area is 26.0 sq. mi.																
DEER CREEK NEAR SMARTVILLE																
39 13 28	121 16 03	SE23 16N 6E	6550	10.75	4/ 2/58	11300	13.62	12/23/55	148100	68470	JUN 35-DATE	JUN 35-DATE				
Station located 400 ft. above county road bridge, 1.0 mi. above mouth, 2.0 mi. NE of Smartville. Tributary to Yuba River. Flow affected by Scotts Flat Reservoir, Deer Creek Reservoir, power developments, and diversions. At times, water from So. Yuba River is diverted into Deer Creek and water from Deer Creek is diverted to Bear River. Records furn. by U.S.G.S. Drainage area is 84.6 sq. mi.																
DEER CREEK NEAR VINA																
40 00 50	121 56 50	NE23 25N 1W	8730	10.67	2/24/58	23800	19.2	12/10/37	402900	201900	OCT 11-DEC 15 MAR 20-DEC 37 JAN 39-DATE	OCT 11-DEC 15 MAR 20-DEC 37 JAN 39-DATE				
Station located 0.5 mi. above concrete diversion dam, 7.9 mi. NE of Vina. Tributary to Sacramento River. Records furn. by U.S.G.S. Drainage area is 200 sq. mi.																
DELTA CROSS CHANNEL AT WALNUT GROVE (Stage only)																
38 14 48	121 30 25	NE35 5N 4E		14.4	4/ 4/58							SEP 52-DATE	1952 1957 1958	1957 1958	-1.37 -1.54 -1.63	USCGS USCGS USCGS
Station located approx. 1,000 ft. below head, just below So. Pacific R. R. bridge. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
DELTA-MENDOTA CANAL NEAR TRACY																
37 47 45	121 35 05	SW31 1S 4E							663200	1230000	JUN 51-DATE		1951		0.00	USGS
Station located at Tracy Pumping Plant at intake to canal, 6 mi. SE of Byron, 10 mi. NW of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant where it is lifted about 200 ft. into canal. Records furn. by U.S.B.R.																
DRY CREEK NEAR GALT																
38 14 48	121 13 03	NE32 5N 7E	24000	15.28	4/ 3/58	24000	15.28	4/ 3/58	251300	44350	DEC 26-SEP 33 OCT 44-DATE	DEC 26-DATE	1944 1945	1945	55.83 52.83	USGS USGS
Station located at Dustin Road bridge, 4 mi. E of Galt. Tributary to Mokelumne River basin. Records furn. by U.S.G.S. Drainage area is 325 sq. mi.																
DRY CREEK NEAR MODESTO																
37 39 26	120 55 19	SE24 3S 9E	5150	85.10	2/20/58	7710	88.04	12/23/55	143200	39260	MAR 41-DATE	MAR 41-DATE	1941		0.00	USGS
Station located 0.1 mi. below Claus Road bridge, 4 mi. E of Modesto. Tributary to Tuolumne River. Prior to Jan. 13, 1958, station located at Claus Road bridge. Prior to Mar. 1941, records available for a site 2.5 mi. downstream.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
DRY CREEK AT VIRGINIA RANCH																
39 19 20	121 18 45	NW21 17N 6E	6870	8.93	4/ 2/58	9120	9.85	12/22/55	130400	50210	OCT 48-DATE	OCT 48-DATE				
Station located 0.4 mi. S of Virginia Ranch, 5.5 mi. E of Loma Rica. Tributary to Yuba River. Medium and low flows partly affected by upstream regulation. Records furn. by U.S.C.S. Drainage area is 71.3 sq. mi.																
DRY CREEK NEAR WHEATLAND																
39 01 35	121 26 10		5590	11.43	4/ 2/58	8790	13.45	12/23/55	74610	21480	OCT 46-DATE	OCT 46-DATE	1946		62.83	USGS
Station located 2,300 ft. above U. S. Highway 99E bridge, 1.3 mi. NW of Wheatland. Tributary to Bear River. Portion of flow from drainage area may overflow or percolate into Best Slough above station. Flow in Oct. and Sept. mostly return flow from irrigated areas. Records furn. by U.S.G.S. Drainage area is 99.5 sq. mi.																
DRY FORK SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD																
40 19 00	122 27 37	SW32 29N 5W				14100E	10.19	4/ 5/58			MAR 58-DATE	MAR 58-DATE	1958		0.00	LOCAL
Station located at highway bridge, 10.7 mi. SW of Cottonwood. Tributary to Sacramento River via So. Fork Cottonwood and Cottonwood Creek. Drainage area is 151 sq. mi. Station installed Mar. 28, 1958.																
DUCK CREEK AT FARMINGTON																
37 56 07	120 59 56	SW16 1N 9E				930E		1/17/50		674	JAN 50-APR 50 OCT 50-DEC 57	DEC 49-APR 50 OCT 50-FEB 58		1958	0.00	LOCAL
Station located 300 ft. W of Escalon-Bellota Highway, 0.5 mi. NW of Farmington. Flow regulated by gravity culverts which divert water to Littlejohns Creek. Station discontinued February 3, 1958.																
DUCK CREEK NEAR STOCKTON																
37 55 27	121 14 55	NE19 1N 7E	343	11.14	4/ 4/58	400	5.75	12/24/55	7389	783	JAN 50-APR 50 OCT 50-APR 51 OCT 51-DATE	JAN 50-APR 50 OCT 50-APR 51 OCT 51-DATE	1957		0.00	LOCAL
Station located at Laurel Ave., 1.0 mi. W of U. S. Highway 99, immediately S of Stockton. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approx. 2 miles E of the head of Stockton Diverting Canal. Discharge tabulated does not include this overflow.																
DUCK CREEK DIVERSION NEAR FARMINGTON																
37 56 18	120 59 21	NE16 1N 9E	3690	7.65	4/ 2/58	3690	7.65	4/ 2/58	9734	588	SEP 51-DATE	SEP 51-DATE	1951		105.0	USGS
Station located 1.0 mi. NE of Farmington. Flows are diversions from Duck Creek to Littlejohns Creek. Records furn. by U.S.C.E. Drainage area is 28 sq. mi.																
EAST FORK CHOWCHILLA RIVER NEAR AHWAHNEE																
37 20 09	119 48 59	SE 7 7S 20E				3290E	9.88	4/ 3/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located 1.1 mi. above mouth, 5.5 mi. W of Ahwahnee.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
ELDER CREEK AT GERBER																
40 03 05	122 09 55		11000	14.40	2/19/58	11000	14.40	2/19/58	224500	52470	OCT 49-DATE	OCT 49-DATE				
Station located 1.0 mi. W of Gerber, 3.5 mi. above mouth. Tributary to Sacramento River. Records furn. by U.S.G.S. Drainage area is 142 sq. mi.																
FALL RIVER NEAR DANA																
41 06 19	121 33 00	NE30 38N 4E				2190E	10.25	2/25/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located at private bridge, 0.7 mi. SE of Dana. Station installed Nov. 19, 1957.																
FEATHER RIVER NEAR GRIDLEY																
39 22 01	121 38 43	SW33 18N 3E	77000	96.86	2/25/58		102.25	12/23/55	5996000	3026000	JAN 44-DATE	MAR 29-MAY 37# OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929		0.00	USED
Station located at highway bridge, 2.7 mi. E of Gridley.																
FEATHER RIVER AT NICOLAUS																
38 54 00	121 35 00	SE12 12N 3E		46.1	2/26/58	357000	51.60	12/23/55	10030000	4899000	JUN 21-OCT 38& JAN 39-DATE	20-DATE	1920		0.00	USED
Station located at new Nicolaus Highway bridge, 2.9 mi. below Bear River, 9.2 mi. above mouth. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and power plants. Records furn. by U.S.G.S.																
FEATHER RIVER NEAR OROVILLE																
39 32 00	121 28 35	NE 2 19N 4E	102000	57.15	2/24/58	230000		3/19/07	6584000	3622000	JAN 02-DATE	JAN 02-DATE	1912 1934	1934	139.53 182.02	USGS USGS
Station located 75 ft. above Feather River Highway bridge, 4 mi. NE of Oroville. Records prior to Oct. 1934 at a site 5.2 mi. downstream. Flow partly regulated by reservoirs and power plants. Records furn. by U.S.G.S. Drainage area is 3,611 sq. mi.																
FEATHER RIVER BELOW SHANGHAI BEND																
39 04 44	121 36 08	NE11 14N 3E	97100E	61.14	2/25/58		76.8	12/24/55	9521000	4714000	JUN 44-OCT 45& JAN 46-DATE	NOV 26-MAY 37# OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43# OCT 43-DATE			0.00	USED
Station located approx. 4 mi. S of Yuba City. Flow partly regulated by reservoirs and power plants. High flows rated by means of simultaneous current meter measurements of Yuba River near Marysville and Feather River at Yuba City.																
FEATHER RIVER AT YUBA CITY																
39 08 20	121 36 17	SE23 15N 3E		66.06	2/25/58		82.42	12/24/55	6860000	3411000	JUL 44-OCT 45& JAN 46-DATE	NOV 43-DATE	1943		0.00	USED
Station located at Yuba City-Marysville "5th Street" Highway bridge (Sacramento No. Railroad bridge). Backwater from Yuba River at times affects stage-discharge relationship.																

E - Estimated & - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.& M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
FOLSOM RESERVOIR																
38 42 29	121 09 22	NE24 10N 7E							4205000	4103000	FEB 55-DATE	FEB 55-DATE	1955		0.00	USGS
Station located 0.7 mi. below So. Fork American River, 2.3 mi. NE of Folsom. Usable capacity, 1,000,000 ac.-ft. between elevations 205.5 and 466.0 ft. above mean sea level, practically all of which is available for release. Spillway design flood pool elevation, 475.4 ft. (capacity, 1,120,000 ac.-ft.). Figures given herein for daily content represent usable content. Inflow to Folsom Reservoir takes into account change in storage, release, spill, precipitation, and evaporation, and is representative of the natural flow which would pass the dam site if the dam had not been constructed. Figures shown under total discharge are computed inflow to the reservoir. Period of record for computed inflow is shown under period of record for discharge. Period of record for daily content is shown under period of record for stage. Records furn. by U.S.B.R. Drainage area is 1,875 sq. mi.															
FREMONT WEIR SPILL TO YOLO BYPASS																
			182000	38.20	2/26/58	294000	39.16	12/23/55	8544000	643600	JAN 35-DATE					
Formerly published as Fremont Weir from Sacramento River to Yolo Bypass. See Sacramento River at Fremont Weir, East End and Sacramento River at Fremont Weir, West End, for stage records and locations. Elev. of weir crest is 33.50 ft. U.S.E.D. datum; length of crest is 9,120 ft.																
FRENCH CAMP SLOUGH NEAR FRENCH CAMP																
37 52 52	121 14 53	NE 6 1S 7E	2390	10.24	4/ 3/58	3390	6.31	12/ 9/50	170900	16720	JAN 50-MAY 50 OCT 50-DATE	JAN 50-MAY 50 OCT 50-DATE	1950 1955	1955	0.00 4.00	LOCAL LOCAL
Station located at Durham Ferry Road bridge, 1.5 mi. SE of French Camp. Supplementary water stage recorder located 0.5 mi. downstream. Tributary to San Joaquin River. Backwater from temporary diversion dam at times affects stage-discharge relationship. During those periods, supplementary recorder used for computations.																
FRESNO RIVER NEAR DAULTON																
37 05 50	119 53 20	NW 3 10S 19E	10400	9.18	4/ 3/58	17500	11.64	12/23/55	154700	35550	OCT 41-DATE	DEC 37-DATE				
Station located 0.5 mi. below Willow Creek, 5.3 mi. SE of Daulton. Some regulation at low flow by mining operations above station. Records furn. by U.S.G.S. Drainage area is 259 sq. mi.																
FRIANT-KERN CANAL DELIVERY TO PORTER SLOUGH																
36 05 00	119 04 50	SW20 21S 27E							0	733						
These flows are deliveries from Friant-Kern Canal into Porter Slough under contract agreement with the U.S.B.R. Delivery is at the intersection of Porter Slough with the Friant-Kern Canal approx. 4 mi. W of Porterville. Records furn. by U.S.B.R.																
FRIANT-KERN CANAL DELIVERY TO TULE RIVER																
36 04 25	119 05 15	NW29 21S 27E							86330	109900						
These flows are deliveries from Friant-Kern Canal into Tule River under contract agreements with the U.S.B.R. Delivery is located on the Tule River approx. 4 mi. W of Porterville, 11.3 mi. below So. Fork Tule River. Records furn. by U.S.B.R.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD							PERIOD			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO	ZERO ON GAGE	REF. DATUM
GEORGIANA SLOUGH AT MOKELUMNE RIVER (Stage only)																
38 07 48	121 34 46	NE12 3N 3E		6.9	4/ 6/58		7.1	12/26/55				JUN 29-DATE	1929	1940	0.00	USED
													1940		0.00	USGS
													1940		3.11	USED
Station located on Andrus Island, 2.8 mi. SE of Isleton. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
GRANT LINE CANAL AT TRACY ROAD BRIDGE (Stage only)																
37 49 13	121 26 57	NE29 1S 5E		10.6	4/ 7/58							OCT 40-DATE	1940	1952	-3.66	USGS
													1952	1953	-4.13	USCGS
													1953		-2.13	USCGS
Station located at Tracy Road bridge crossing, 5 mi. N of Tracy. Station affected by tidal action.																
INDIAN CREEK NEAR TAYLORSVILLE																
40 03 31	120 49 10	NW 1 25N 10E	14000E	9.75	2/25/58	22400E	11.49	12/23/55	404600	220100	SEP 54-DATE	AUG 54-DATE	1954		0.00	LOCAL
Station located 0.7 mi. below Montgomery Creek, 1.5 mi. SE of Taylorsville. Tributary to East Branch North Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 532 sq. mi.																
KAWEAH RIVER NEAR THREE RIVERS																
36 24 22	118 57 10	SW33 17S 28E	5930	8.13	4/ 3/58	80700	22.24	12/23/55	639600	305900	APR 03-DATE	APR 03-DATE	1936	1939	613.78	USGS
													1939	1951	612.78	USGS
													1951		611.1	USGS
Station located 2.5 mi. below So. Fork, 3 mi. SW of Three Rivers Post Office. Flow affected by power regulation on Middle and East Forks. Records furn. by U.S.G.S. Drainage area is approx. 520 sq. mi.																
KERN RIVER NEAR BAKERSFIELD																
35 26	118 57								922700	445900	93-DATE					
Also known as "Kern River at First Point". Station located 5 mi. NE of Bakersfield. Tabulated discharge is the computed regulated flow and is computed from noon to noon beginning at noon of day shown. Records furn. by Kern County Land Company. Drainage area is 2,420 sq. mi.																
KINGS RIVER AT PIEDRA																
36 49 02	119 23 08	NW 8 13S 24E	12900	10.07	6/23/58	91000	21.0	11/19/50	2171000	1363000	SEP 95-DATE	SEP 95-DATE				
Station located 0.5 mi. below highway bridge at Piedra, 4 mi. below Pine Flat Dam, 12 mi. NE of Sanger. Flow regulated by Pine Flat Reservoir and Wishon Reservoir. Records furn. by U.S.G.S. Drainage area is 1,694 sq. mi.																
LIGHTS CREEK NEAR TAYLORSVILLE																
40 09 59	120 47 33	SW30 27N 11E	2120E	6.24	2/24/58				63360		SEP 54-DATE	SEP 54-DATE	1954		0.00	LOCAL
Station located 0.4 mi. below Moonlight Creek, 6.7 mi. N of Taylorsville. Tributary to East Branch North Fork Feather River via Indian Creek. Stage-discharge relationship at times affected by ice. Drainage area is 57.6 sq. mi.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
LINDA CREEK NEAR ROSEVILLE																
38 44 04	121 18 05	SE10 10N 6E	4190E	13.30E	4/ 2/58				87050	36970	JUL 49-DATE	JUL 49-DATE	1956	1956	0.00 111.22	LOCAL USCGS
Station located above So. Pacific Railroad bridge, 0.6 mi. below Auburn Boulevard (old U. S. Highway 99E), immediately SW of Roseville. Also known as "Dry Creek near Roseville". Tributary to Sacramento River via Back Borrow Pit of Reclamation District 1000.																
LINDO CHANNEL NEAR CHICO																
39 43 21	121 54 41	NW31 22N 1E	2320E	17.54	2/24/58				80180	23870	JAN 56-DATE	JAN 56-DATE	1956		128.42	USED
Station located 100 ft. below Grape Way bridge, 4.0 mi. W of Chico. Tributary to Sacramento River via Big Chico Creek. For total flow of Big Chico Creek near Mouth, combine with flow of Big Chico Creek at Chico.																
LITTLE COW CREEK NEAR INGOT																
40 44 44	122 03 37	NW 2 33N 2W	8200E	16.64	11/13/57	8200E	16.64	11/13/57	182500		MAR 57-DATE		1957		0.00	LOCAL
Station located 1.8 mi. NE of Ingot, 7 mi. SW of Round Mountain. Tributary to Sacramento River via Cow Creek. Drainage area is 60.4 sq. mi.																
LITTLE DRY CREEK AT MOUTH NEAR FRIANT																
36 56 05	119 43 45	NW31 11S 21E	5000	4.3	3/22/58	5000	4.3	3/22/58	35450	81	OCT 56-DATE	DEC 56-DATE				
Station located 150 ft. above highway bridge, 1.2 mi. above mouth, 3.8 mi. S of Friant. Tributary to San Joaquin River. Diversions up to 700 c.f.s. from Dry Creek to Little Dry Creek above station occur at times during floods. Records furn. by U.S.G.S. Drainage area is 77.7 sq. mi. (includes 6.1 sq. mi. due to Big Dry to Little Dry Diversion Channel).																
LITTLEJOHNS CREEK AT FARMINGTON																
37 55 38	121 00 08	NE19 1N 9E	3590	15.40	4/ 3/58	3590	15.40	4/ 3/58	137000	8801	JUN 52-DATE	JUN 52-DATE	1952		89.97	USGS
Station located 340 ft. below Farmington-Escalon Highway bridge. These flows include flows entering Littlejohns Creek via the Duck Creek Diversion. Records furn. by U.S.C.E.																
LITTLE LAST CHANCE CREEK NEAR CHILCOOT																
39 51 34	120 09 16	SW11 23N 16E	1080E	5.67	2/24/58				35560	19040	JUL 54-DATE	JUL 54-DATE	1954		0.00	LOCAL
Station located 1.0 mi. below highway bridge, 4.5 mi. N of Chilcoot. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 84.4 sq. mi.																
MARIPOSA CREEK NEAR CATHAY																
37 23 55	120 00 10	NE21 6S 18E				4530E	11.62	4/ 3/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located at highway bridge, 5.6 mi. E of Cathay School. Tributary to San Joaquin River. Drainage area is 65.7 sq. mi.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD							PERIOD			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO	ZERO ON GAGE	REF DATUM
MARIPOSA CREEK BELOW MARIPOSA RESERVOIR																
37 1o 52	120 09 45	NE3c 7S 16E	1250	5.18	4/ 6/58	6020		12/24/55	63380	4745	NOV 52-DATE	NOV 52-DATE	1952		337.63	USGS
Station located 1.5 mi. below Mariposa Dam. Tributary to San Joaquin River via Bear Creek. Flow regulated by Mariposa Reservoir. Records furn. by U.S.C.E. Drainage area is 108 sq. mi.																
McLEOD LAKE AT STOCKTON (Stage only)																
37 57 23	121 17 30	SW 2 1N 6E		10.4	4/ 6/58							DEC 27-DATE	1933	1958	-3.37 -3.80	USGS USGS
Station located at U. S. Coast Guard Stockton Channel Light Attendant Station on Center Street. Station affected by tidal action. Variable gage datum, gage subject to subsidence.																
MERCED RIVER AT CRESSEY																
37 25 28	120 39 47	SW 9 6S 12E	13400	18.26	4/ 4/58	34400	22.67	12/ 4/50	997700	185900	JUL 41-DEC 41 JUL 42-DATE	APR 41-DATE	1950		96.24	USGS
Station located 100 ft. above McSwain Bridge, immediately N of Cressey.																
MERCED RIVER AT EXCHEQUER																
37 34 55	120 16 45	SW13 4S 15E	11600	11.65	4/ 3/58	47700	23.3	1/31/11	1298000	724600	APR 01-NOV 13 NOV 15-DATE	APR 01-NOV 13 NOV 15-DATE				
Station located at Exchequer, 0.65 mi. below Lake McClure, 5 mi. NE of Merced Falls. Flow regulated by Exchequer power plant and Lake McClure. Records furn. by U.S.G.S. Drainage area is 1,035 sq. mi.																
MERCED RIVER BELOW SNELLING																
37 28 14	120 29 58	NW25 5S 13E	12400	188.13	4/ 3/58	26000	10.14	12/ 4/50	777300	118900	JUN 28-OCT 38B JAN 39-DATE	JUN 28-OCT 38B JUN 37-DATE	1928 1952	1952	183.26	USCGS
Station located at Merced-Snelling Highway bridge, 4.8 mi. SW of Snelling. Flow regulated by Exchequer power plant and Lake McClure.																
MERCED RIVER NEAR STEVINSON																
37 22 15	120 55 45	NE36 6S 9E	11500	17.91	4/ 5/58	13600	19.05	12/ 5/50	1058000	254600	OCT 40-DATE	DEC 39-DATE	1939 1955	1955	56.09 55.09	USGS USGS
Station located 5 mi. above mouth, 6 mi. NW of Stevinson. Practically entire flow is diverted above station during irrigation season; some return flow enters above. Records furn. by U.S.G.S. Drainage area is 1,274 sq. mi.																
MERCED RIVER SLOUGH NEAR NEWMAN																
37 21 35	120 57 40	NE 3 7S 9E							125100		OCT 41-DATE	APR 41-DATE	1941 1948	1948	56.44 54.44	USGS USGS
Station located 0.1 mi. below bridge, 0.2 mi. below head of slough between Merced and San Joaquin Rivers, 4.5 mi. NE of Newman. Slough flows from Merced River to San Joaquin River, bypassing gaging station on San Joaquin River near Newman. Records furn. by U.S.G.S.																

E - Estimated B - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD							PERIOD		ZERO ON GAGE	REF DATUM
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO		
MIDDLE FORK CHOWCHILLA RIVER NEAR NIPINNAWASEE																
37 22 56	119 50 11	NE25 6S 19E				2500E	8.30	4/ 3/58			MAR 58-DATE	MAR 58-DATE	1958		0.00	LOCAL
Station located 6 mi. W of Nipinnawasee, 10 mi. SE of Mariposa. Tributary to East Fork Chowchilla River.																
MIDDLE FORK FEATHER RIVER NEAR PORTOLA																
39 49 13	120 26 24	NE29 23N 14E	4380E	8.54	2/26/58				257400	100800	NOV 55-DATE	NOV 55-DATE	1955		0.00	LOCAL
Station located S of State Highway 24, 1.8 mi. NE of Portola. Stage-discharge relationship at times affected by ice.																
MIDDLE RIVER AT BACON ISLAND (Stage only)																
38 DD D7	121 31 22	SW22 2N 4E		9.5	4/ 6/58							OCT 48-DATE	1948		-2.94	USCGS
Station located at NE corner of Bacon Island at junction of Middle River and Connection Slough. Station affected by tidal action.																
MIDDLE RIVER AT BORDEN HIGHWAY (Stage only)																
37 53 28	121 29 20	NW36 4E 1N					7.2	12/26/55				JUL 39-DATE	1939	1943	-4.10	USGS
													1943		0.00	USGS
													1943		3.15	USED
Station located on Victoria Island, below State Highway 4 bridge, 10 mi. NW of Tracy. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
MIDDLE RIVER AT MOWRY BRIDGE (Stage only)																
37 50 04	121 22 59	NE24 1S 5E		14.2	4/ 8/58							JUL 48-DATE	1948	1952	-2.70	USGS
													1952		-2.67	USCGS
Station located at Undine Road crossing on Upper Roberts Island. Station affected by tidal action.																
MILL CREEK NEAR LOS MOLINOS																
40 03 17	122 01 23	NW 6 25N 1W	6880	10.60	2/24/58	23000	23.4	12/11/37	353600	210200	OCT 28-DATE	OCT 28-DATE				
Station located 5.5 mi. above mouth, 4.5 mi. NE of Los Molinos. Tributary to Sacramento River. Records furn. by U.S.G.S. Drainage area is 134 sq. mi.																
MILL CREEK NEAR MOUTH																
40 02 35	122 06 05	NW 9 25N 2W								157500	MAY 47-DEC 48 APR 49-DEC 57	MAY 47-DEC 48 APR 49-DATE			224.31	USED
Station located approx. 0.1 mi. below U. S. Highway 99E bridge, 1.5 mi. N of Los Molinos. Tributary to Sacramento River.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
MILLER CREEK NEAR SATTLEY																
39 3c 03	120 25 19	NE 9 20N 14E	106E	2.64	6/18/58	213	4.08	12/23/55	11820	7947	SEP 54-DATE	SEP 54-DATE	1954 1958	1958	0.00 -1.00	LOCAL LOCAL
Station located 0.2 mi. W of State Highway 89, 1.0 mi. S of Sattley. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 7.6 sq. mi.																
MILLERTON LAKE																
37 00 00	119 42 10	SW 5 11S 21E							2568000	1340000	OCT 41-DATE	OCT 41-DATE	1941		0.00	USGS
Station located near center of Friant Dam on San Joaquin River, immediately above Cottonwood Creek, 0.9 mi. NE of Friant. Usable capacity, 503,000 ac.-ft. between elevations 375.4 and 578.0 ft. above mean sea level. Not available for release, 17,300 ac.-ft. Inflow to Friant Reservoir takes into account change in storage, release, spill, precipitation, and evaporation, and is representative of the natural flow which would pass the dam site if the dam had not been constructed. Figures shown under total discharge are computed inflow to the reservoir. Period of record for computed inflow is shown under period of record for discharge. Period of record for daily content is shown under period of record for stage. Records furn. by U.S.B.R. Drainage area is 1,683 sq. mi.																	
MINER SLOUGH AT FIVE POINTS (Stage only)																
38 17 30	121 38 40	SE 9 5N 3E		15.8	2/27/58		15.8	2/27/58				NOV 57-DATE	1957		-3.45	USGS
Station located on West Cut above junction with Miner Slough, approx. 750 ft. N of Five Points Resort. Station affected by tidal action. Maximum gage height listed does not include maximum discharge.																
MOKELUMNE RIVER NEAR CLEMENTS																
38 12 25	121 05 20	NW15 4N 8E	8220	14.88	4/ 3/58	28800	24.40	11/21/50	928800	455900	OCT 04-DATE	OCT 04-DATE	1904 1926 1930	1926 1930	69.09 67.09 67.16	USGS USGS USGS
Station located 700 ft. above highway bridge, 1.0 mi. N of Clements. Records furn. by U.S.G.S. Drainage area is 630 sq. mi.																
MOKELUMNE RIVER AT LANCHA PLANA																
38 13 25	120 53 20	SW 4 4N 10E	6320	9.42	4/ 2/58	26700	20.1	11/21/50	913900	463200	JUN 26-DATE	JUN 26-DATE	1926		158.95	USGS
Station located 3 mi. below Pardee Dam, 1.0 mi. E of Lancha Plana. Flow regulated by Pardee Reservoir, Salt Springs Reservoir, several smaller reservoirs, and four power plants. Records furn. by U.S.G.S. Drainage area is 584 sq. mi.																
MOKELUMNE RIVER AT WOODBRIDGE																
38 09 30	121 18 10	NE34 4N 6E	4960	22.90	4/ 3/58	27000	29.58	11/22/50	804400	319800	MAY 24-OCT 25& JAN 26-DATE	MAY 24-DATE	1924 1931	1931	18.86 14.86	USGS USGS
Station located 0.3 mi. below county highway bridge, 0.4 mi. below dam and canal intake of Woodbridge Irrigation District. Records furn. by U.S.G.S. Drainage area is 644 sq. mi.																

E - Estimated & - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD							PERIOD		ZERO ON GAGE	REF. DATUM
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	1957-58 WATER YR. IN AC-FT.	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO		
MORMON SLOUGH AT BELLOTA																
38 03 10	121 00 37	SW 5 2N 9E	15400E	20.65E	4/ 2/58				309400	34600	DEC 48-DATE	DEC 48-DATE	1952		0.00	LOCAL
Station located 0.2 mi. above Farmington-Bellota Highway bridge, 0.2 mi. E of Bellota. Flow regulated by head gates. This is diversion from Calaveras River which is returned to the river via Stockton Diverting Canal.																
MOULTON WEIR SPILL TO BUTTE BASIN																
39 20 18	122 01 18	SE12 17N 2W	36600	83.66	2/20/58		83.8	2/ 7/42	993600	6544	JAN 40-DATE	JAN 35-DATE	1935		0.00	USED
Formerly published as Moulton Weir from Sacramento River to Butte Basin. Station located west of south end of weir, 4.6 mi. S of Princeton. Elevation of weir crest is 76.75 ft. U.S.E.D. datum; length of crest is 500 ft.																
NATOMAS CROSS CANAL AT HEAD																
38 49 19	121 32 34	NE 8 11N 4E								51420	DEC 49-DEC 57	DEC 49-FEB 58		1955	0.00	USCE
													1955		0.34	USCE
Station located at El Centro Boulevard bridge, 4.8 mi. NE of Verona. Tributary to Sacramento River. Backwater from the Sacramento River at times affects the stage-discharge relationship. Station discontinued Feb. 6, 1958.																
NORTH FORK COTTONWOOD CREEK NEAR IGO																
40 26 32	122 32 57	NW21 30N 6W	6930	35.59	2/18/58	6930	35.59	2/18/58	349300	124800	NOV 56-DATE	NOV 56-DATE	1956		30.60	LOCAL
Station located at county road bridge, 4.4 mi. S of Igo, 4.4 mi. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Drainage area is 88.7 sq. mi.																
NORTH FORK MILL CREEK NEAR MOUTH																
40 03 14	122 06 25	NE 5 25N 2W								2366	APR 48-DEC 48 APR 49-DEC 57	APR 48-DEC 48 APR 49-JAN 58	1956		0.00	LOCAL
Station located 0.4 mi. below U. S. Highway 99E, 2.3 mi. N of Los Molinos. Tributary to Sacramento River. Station discontinued Jan. 31, 1958.																
NORTH FORK TULE RIVER AT SPRINGVILLE																
36 08 23	118 48 16	SE35 20S 29E	1590	8.74	4/ 3/58	2070	9.27	5/19/57	60400		FEB 57-DATE	FEB 57-DATE	1957		3.75	LOCAL
Station located at State Highway 190 bridge, 0.8 mi. NE of Springville.																
OLD RIVER AT CLIFTON COURT FERRY (Stage only)																
37 49 28	121 33 05	SE20 1S 4E		9.4	4/ 6/58							DEC 48-DATE	1948	1952	-2.25	USGS
													1952		-2.12	USCGS
Station located approx. 2,000 ft. below junction with Grant Line Canal. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
OLD RIVER AT HOLLAND TRACT (Stage only)																
38 00 26	121 34 47	NW19 2N 4E		9.9	4/ 6/58							SEP 51-DATE	1951	1955	-2.61	USCGS
Station located approx. 1.5 mi. S of NE corner of Holland Tract. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
OLD RIVER AT MANSION HOUSE (Stage only)																
37 54 37	121 33 39	NW29 1N 4E		7.0			7.4	12/26/55				AUG 39-DATE	1939	1943	2.3	USED
													1943		0.00	USGS
													1943		3.15	USED
Station located on Victoria Island, 0.2 mi. S of North Victoria Canal, 7.5 mi. E of Brentwood. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
OLD RIVER NEAR ROCK SLOUGH (Stage only)																
37 59 25	121 34 49	SW30 2N 4E		9.7	4/ 6/58		10.0	12/26/55				MAR 45-DATE	1945		-3.0	USGS
													1945		0.00	USED
Station located on American Island (formerly Holland Tract), 1.2 mi. N of Rock Slough, 4.7 mi. NE of Knightsen. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge. U.S.E.D. datum referred to head of Snodgrass Slough.																
OLD RIVER NEAR TRACY ROAD BRIDGE (Stage only)																
37 48 14	121 26 49	SW32 1S 5E		12.6	4/ 8/58		13.2	12/29/55				JUN 51-DEC 51 MAR 52-DEC 52 MAY 53-OCT 53 JUN 54-DEC 54 FEB 55-DATE				
Station located at Galli's Pump, approx. 0.2 mi. above Tracy Road bridge, 3.5 mi. NW of Tracy. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
ORESTIMBA CREEK NEAR NEWMAN																
37 19 09	121 07 12	SW17 7S 8E	10200	6.57	4/ 2/58	10200	6.57	4/ 2/58	41490	1900	JAN 32-DATE	MAR 31-DATE	1931		191.86	USGS
Station located 120 ft. below highway bridge, 5 mi. W of Newman. Tributary to San Joaquin River. Records furn. by U.S.G.S. Drainage area is 135 sq. mi.																
OWENS CREEK BELOW OWENS RESERVOIR																
37 18 28	120 11 35	SW23 7S 16E	172	3.92	4/ 4/58	590		12/24/55	11740	1037	FEB 50-DATE	FEB 50-DATE	1950		338.22	USGS
Station located 0.25 mi. below Owens Dam. Tributary to San Joaquin River via Mariposa Creek and Bear Creek. Flow regulated by Owens Reservoir. Records furn. by U.S.C.E. Drainage area is 25.6 sq. mi.																
PAYNES CREEK NEAR RED BLUFF																
40 15 50	122 11 10	SE22 28N 3W	5700	9.13	2/24/58	5700	9.13	2/24/58	110100	28830	OCT 49-DATE	OCT 49-DATE				
Station located 0.4 mi. above mouth, 6.5 mi. NE of Red Bluff. Tributary to Sacramento River. Records furn. by U.S.G.S. Drainage area is 92.5 sq. mi.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
PINE CREEK NEAR ALTURAS																
41 25 59	120 26 32	SW35 42N 13E				109	1.46	5/21/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located approx. 0.1 mi. N of road, 6.1 mi. SE of Alturas. Tributary to Pit River. Stage-discharge relationship at times affected by ice.																
PIT RIVER BELOW ALTURAS																
41 28 54	120 38 25	NE13 42N 11E				2190E	13.40	2/25/58			OCT 57-DATE	OCT 57-DATE	1957		0.00	LOCAL
Station located at county road bridge, 5 mi. W of Alturas. Stage-discharge relationship at times affected by temporary diversion dam below station and also by ice.																
PIT RIVER AT PITTVILLE																
41 02 44	121 19 54	NE13 37N 5E				7710	10.34	2/26/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located 100 ft. below county road bridge, immediately SE of Pittville.																
PLEASANTS CREEK NEAR WINTERS																
38 28 40	122 01 43	SE 1 7N 2W				2960E	12.92	2/18/58			NOV 51-JUN 54 OCT 57-DATE	NOV 51-JUN 54 OCT 57-DATE				
Station located 1.0 mi. above mouth, E of Pleasants Valley Road, 4.4 mi. SW of Winters. Tributary to Yolo Bypass via Putah Creek.																
PORTER SLOUGH AT PORTERVILLE																
36 03 29	118 59 08	SE31 21S 28E	440	5.85	4/ 3/58				37000	8554	JAN 42-DATE	JAN 42-DATE	1957		1.00	LOCAL
Station located at "B" Lane bridge, immediately E of Porterville. Prior to Jan. 1953 station located at a site approx. 1 mi. upstream.																
PORTER SLOUGH NEAR PORTERVILLE																
36 04 00	119 03 08	NE28 21S 27E	364	5.14	4/ 3/58	364	5.14	4/ 3/58	27450		JAN 57-DATE	JAN 57-DATE	1957		1.00	LOCAL
Station located at Newcomb Drive bridge, 2.0 mi. W of Porterville. Tributary to Tulare Lake Basin via Tule River.																
PUTAH CREEK ABOVE DAVIS																
38 32 13	121 51 00	SW15 8N 1E				6090	13.21	4/ 2/58			MAY 52-NOV 53δ OCT 57-DATE	MAY 52-NOV 53δ OCT 57-DATE				
Station located at Stevenson Road bridge, 6.0 mi. W of Davis. Tributary to Yolo Bypass.																

E - Estimated δ - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD							PERIOD		ZERO ON GAGE	REF. DATUM
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO		
PUTAH CREEK NEAR DAVIS																
38 31 24	121 47 10	SE19 8N 2E	6390	8.93	2/24/58	46600	24.36	12/22/55	48180	9308	MAY 48-DATE	MAY 48-DATE				
Station located 3.3 mi. SW of Davis, 9.9 mi. E of Winters. Tributary to Yolo Bypass. Flow regulated by Lake Berryessa. Low-water records not equivalent to records near Winters. Low flows during summer months due to return flow from irrigation. Records furn. by U.S.G.S. Drainage area is 636 sq. mi.																
PUTAH CREEK BELOW WINTERS																
38 31 47	121 55 21	NE24 8N 1W				5570	10.91	4/ 2/58			OCT 57-DATE	OCT 57-DATE				
Station located at Boyce Orchard, 2.7 mi. E of Winters. Flow regulated by Lake Berryessa.																
PUTAH CREEK NEAR WINTERS																
38 30 54	122 04 52	NE28 8N 2W	1240	9.14	2/18/58	81000	30.5	2/27/40	33930	29460	JUN 30-DATE	JUN 30-DATE	1930 1940	1940	161.6 160.75	USGS USGS
Station located 1.0 mi. below Monticello Dam, 6 mi. W of Winters. Flow regulated by Lake Berryessa. Low-water records are not equivalent to records near Davis. Records furn. by U.S.G.S. Drainage area is 577 sq. mi.																
RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER																
39 04 08	121 51 43	NE16 14N 1E							37210	14200	MAY 24-OCT 388 JAN 39-DATE					
Formerly published as Reclamation District 70 Drain. Plant located 1.7 mi. E of Grimes. This is drainage returned by pumping and gravity. Plant also discharges to irrigation canals.																
RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER																
38 51 45	121 47 29	NE30 12N 2E							22580	13340	APR 24-OCT 388 JAN 39-DATE					
Formerly published as Reclamation District 108 Drain at Rough and Ready Bend. Plant located 4.5 mi. E of Robbins. This is drainage returned by pumping. Pumping hours vary and figures shown are not necessarily daily flows. See Sacramento River near Rough and Ready Bend for stages in river. Additional water is sometimes returned to Colusa Basin Drain.																
RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN																
38 48 03	121 43 28	NW14 11N 2E							9315	2575	JAN 40-DATE					
Formerly published as Sycamore Slough near Knights Landing. Plant located 0.3 mi. W of Knights Landing. This is drainage returned by pumping between the Knights Landing Outfall Gates and the Sacramento River. Daily distribution of flows is not available since the plant operates on an automatic float switch. Additional water returned to Sacramento River.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER																
38 50 47	121 43 46	NE34 12N 2E							22580	13340	MAY 49-DATE					
Formerly published as Reclamation District 787 Drain. Plant located 2.1 mi. SW of Robbins. This is drainaga raturned by pumping. Daily distribution of flows is not available since the plant operates on an automatic float switch. Additional water returned to Colusa Basin Drain.																
RECLAMATION DISTRICT 1000 DRAINAGE TO SACRAMENTO RIVER (Pritchard Lake)																
38 43 51	121 36 07	SE12 10N 3E							8245	3645	JAN 55-DATE					
Formerly published as Reclamation District 1000 Drain (Pritchard Lake). Plant located 3.9 mi. S of Verona. This is drainage raturnad by pumping. Additional water is raturnad by Second Bannon Slough Plant and an undatarminad amount by No. 3 Plant.																
RECLAMATION DISTRICT 1000 DRAINAGE TO SACRAMENTO RIVER (Second Bannon Slough)																
38 36 21	121 31 26	SW22 9N 4E							74590	14560	MAY 25-OCT 38ß JAN 39-DATE				0.00	USED
Formarly published as Reclamation District 1000 Drain (Second Bannon Slough). Plant located 3.0 mi. NW of Sacramento. This is drainage returned by pumping. Additional water is returned by Pritchard Lake Plant and an undatermined amount by No. 3 Plant.																
RECLAMATION DISTRICT 1001 DRAINAGE TO NATOMAS CROSS CANAL																
38 47 26	121 35 47	NW24 11N 3E							32190	4605	JAN 40-DATE					
Formerly published as Reclamation District 1001 Drain into Natomas Cross Canal. Plant located 1.2 mi. E of Varona. This is drainaga returnad by pumping only. There is an undetermined amount of gravity flow.																
RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH																
38 47 05	121 39 18	NE20 11N 3E		39.2	2/26/58		41.1	3/ 1/40	240800	119100	APR 30-OCT 38ß JAN 39-DATE	15-DATE			0.00	USED
Formarly publiahed as Reclamation District 1500 Drain. Plant located on west levee at Sacramento Slough at district drainage pumping plant, 3.7 mi. SE of Knights Landing. This is drainaga returned by pumping and gravity. Revised 1957 data also included.																
RED BANK CREEK NEAR RED BLUFF																
40 05 23	122 24 45	SE22 26N 5W	3960E	8.82	2/24/58	5610		2/21/56	89300	19260	FEB 48-JUL 49ß APR 50-APR 56 NOV 56-DATE	FEB 48-JUL 49ß APR 50-APR 56 NOV 56-DATE	1956		0.00	LOCAL
Station located 200 ft. N of Rad Bank Road, 11 mi. SW of Rad Bluff. Tributary to Sacramento River.																
RED CLOVER CREEK NEAR GENESEE																
40 02 56	120 39 41	SW 5 25N 12E	4100E	7.57	2/24/58	4180E	7.98	12/23/55	98620	50160	AUG 54-DATE	AUG 54-DATE	1954		0.00	LOCAL
Station locatad 1.4 mi. above mouth, 5 mi. E of Genesee. Tributary to East Branch North Fork Feathar River via Indian Craak. Stage-discharge relationship at times affected by ice. Drainage area is 120 sq. mi.																

E - Estimated ß - Irrigation saason only # - Flood saason only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT.	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE (Stage Only)																
37 58 35	121 38 19	SW34 2N 3E		10.0	4/ 6/58							OCT 44-FEB 46 DEC 46-DATE	1944 1952	1952 1953	0.40 0.50	USGS USCGS
Station located at Contra Costa Canal intake approx. 1.5 mi. NE of Knightsen. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
RUSH CREEK NEAR ADIN																
41 15 47	120 53 31	NW36 40N 9E				752E	5.74	2/24/58			NOV 57-DATE	NOV 57-DATE	1957		4365.27	USCGS
Station located at U. S. Highway 299 bridge, 5.4 mi. NE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice.																
SACRAMENTO RIVER AT BALLS FERRY																
40 24 56	122 11 32	NW34 30N 3W		16.50	2/21/58	73900		12/27/51		6645000	MAR 45-APR 52 MAR 54-DEC 57 MAR 58-DATE 8	MAR 45-APR 52 MAR 54-DATE			359.00	USED
Station located 0.2 mi. below Balls Ferry Bridge, 5.0 mi. NE of Cottonwood. Flow computed for irrigation season only. Flows are based on correlation with adjacent gaging stations and should not be considered to have the same degree of accuracy as the records for other stations published in this report.																
SACRAMENTO RIVER AT BUTTE CITY																
39 27 35	121 59 35	NE32 19N 1W	160000	96.70	2/20/58	170000	96.87	2/ 7/42	18080000	7693000	JUL 19-OCT 388 JAN 39-DATE	JUL 19-OCT 288 APR 29-DATE	1921		0.00	USED
Station located at Butte City bridge, 0.5 mi. S of Butte City. Records furn. by U.S.G.S.																
SACRAMENTO RIVER AT BUTTE SLOUGH OUTFALL GATES (Stage only)																
39 11 42	121 56 08	NE35 16N 1W										36-DATE	1936		0.00	USED
Staff located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Gage read daily by Butte Slough Irrigation Company, Ltd.																
SACRAMENTO RIVER AT CLARKSBURG (Stage only)																
38 25 25	121 31 42	SW27 7N 4E		22.8	4/ 4/58		24.0	12/23/55				MAR 36-DATE	1936 1936		0.00 -3.1	USED USGS
Station located at American Crystal Sugar Company dock, immediately N of Clarksburg. Station affected by tidal action. Maximum gage height listed does not necessarily indicate maximum discharge.																
SACRAMENTO RIVER AT COLLINSVILLE (Stage only)																
38 04 25	121 51 18	SW27 3N 1E		9.2	4/ 6/58		9.2	4/ 6/58				JUN 29-DATE	1929 1929		0.00 -3.05	USED USCS
Station located 0.4 mi. SW of Collinsville, 3.3 mi. NE of Pittsburg. Station affected by tidal action Maximum gage height listed does not indicate maximum discharge.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.& R. M D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
SACRAMENTO RIVER AT COLUSA																
39 12 50	121 59 55	NW29 16N 1W	45800	67.97	2/26/58	49000	69.20	2/ 8/42	12860000	7467000	APR 20-OCT 388 JAN 39-DATE	APR 19-DATE	1921		0.00	USED
Station located just below highway bridge at Colusa. Records furn. by U.S.G.S.																
SACRAMENTO RIVER AT COLUSA WEIR (Stage only)																
Formerly published as Colusa Weir from Sacramento River to Butte Basin. See Colusa Weir Spill to Butte Basin. Gage heights below weir crest (61.80 ft.) are not tabulated.																
SACRAMENTO RIVER NEAR FREEPORT (Stage only)																
38 28 23	121 31 58	SW10 7N 4E		22.5	4/ 7/58							AUG 55-DATE	1955 1956	1956	4.93 0.00	USGS USGS
Station located 10.7 mi. below Sacramento, 1.9 mi. NW of Freeport. Station affected by tidal action. Maximum gage height listed does not necessarily indicate maximum discharge.																
SACRAMENTO RIVER AT FREMONT WEIR, EAST END (Stage only)																
38 45 55	121 38 05	SW27 11N 3E		37.7	2/26/58		39.3	3/ 1/40				APR 35-DATE	1935		0.00	USED
Formerly published as Fremont Weir at East End. Station located approx. 200 ft. N of weir, 5.2 mi. SE of Knights Landing. Gage heights below weir crest (33.50 ft.) are not tabulated.																
SACRAMENTO RIVER AT FREMONT WEIR, WEST END (Stage only)																
38 45 34	121 39 59	NW32 11N 3E		38.7	2/27/58		39.7	12/23/55				AUG 34-DATE	1934		0.00	USED
Formerly published as Fremont Weir at West End. Station located 0.1 mi. W of weir, 4.0 mi. SE of Knights Landing.																
SACRAMENTO RIVER AT HAMILTON CITY																
39 45 07	121 59 43	NE20 22N 1W	150000	49.18	2/25/58	350000E	22.6	2/28/40	16730000	7826000	APR 45-DATE	27-DATE	1927 1945 1945	1945	127.9 100.00 96.5	USED USED USGS
Station located 40 ft. below Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City.																
SACRAMENTO RIVER AT ISLETON (Stage only)																
38 09 46	121 36 42	SW26 4N 3E										APR 49-DATE	1949 1952	1952 1953	-4.41 -4.47	USGS USCGS
Station located at Shell Oil Company docks near junction of State Highways 12 and 24, immediately NW of Isleton. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SACRAMENTO RIVER AT KESWICK																
40 36 10	122 26 35	NW28 32N 5W	78800	31.55	2/21/58	186000	47.2	2/28/40	10070000	5874000	OCT 38-DATE	OCT 38-DATE	1938 1939 1942	1939 1942	500.01 495.01 479.81	USGS USGS USGS
Station located 0.6 mi. below Keswick Dam, 1.5 mi. below Keswick. Flow regulated by Shasta Lake. Records furn. by U.S.G.S. Drainage area, excluding Goose Lake basin, is approx. 6,710 sq. mi.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
SACRAMENTO RIVER AT KNIGHTS LANDING																
38 48 10	121 42 55	NE14 11N 2E	29600		2/22/58	29600		2/22/58	11290000	7361000	JUL 19-OCT 38δ JAN 39-DATE	JUL 19-DATE	1921		0.00	USED
Station located just below the So. Pacific Railroad bridge, 13.1 mi. above Feather River. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Records furn. by U.S.G.S.																
SACRAMENTO RIVER AT MERIDIAN																
39 08 42	121 55 00	SE13 15N 1W		62.00	2/26/58		64.4	3/ 1/40			MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE δ	15-DATE				USED
Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian. Flow computed for irrigation season only and based on correlation with adjacent gaging stations and should not be considered to have the same degree of accuracy as the records for other stations published in this report.																
SACRAMENTO RIVER AT MOULTON WEIR (Stage only)																
See Moulton Weir Spill to Butte Basin. Gage heights below weir crest (76.80 ft.) are not tabulated.																
SACRAMENTO RIVER OPPOSITE MOULTON WEIR																
39 20 13	122 01 50	SW12 17N 2W		84.65	2/20/58		85.5	2/ 7/42			MAR 54-DATE δ	OCT 22-MAY 40# JUL 40-JUL 41 NOV 41-JUL 43# OCT 43-DATE			0.00	USED
Station located immediately W of weir, 4.8 mi. S of Princeton. Flow computed for irrigation season only and based on correlation with adjacent gaging stations and should not be considered to have the same degree of accuracy as the records for other stations published in this report.																
SACRAMENTO RIVER AT ORD FERRY																
39 37 39	121 59 28	SE32 21N 1W	294000E	120.10	2/25/58	370000	121.7	2/28/40	18660000	7937000	JAN 48-DATE	21-MAY 37# FEB 37-MAY 37 OCT 37-MAY 39 NOV 39-MAY 41# NOV 41-DATE	1937		0.00	USED
Station located 0.1 mi. below Ord Ferry. Records of flow in excess of 40,000 c.f.s. are based on extension of rating curve and correlation with adjacent gaging stations because of inability to measure flow above this figure.																
SACRAMENTO RIVER AT PRITCHARD LAKE (Stage only)																
38 43 51	121 36 07	SE12 10N 3E										15-DATE			0.00	USED
Staff located at Reclamation District 1000 pumping plant, 3.9 mi. S of Verona. Gage read daily by pump operators.																
SACRAMENTO RIVER AT RECLAMATION DISTRICT 70 PUMPING PLANT (Stage only)																
39 04 08	121 51 43	NE16 14N 1E										25-DATE			0.00	USED
Staff located at district pumping plant, 1.7 mi. E of Grimes. Gage read daily by pump operators.																

E - Estimated δ - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT.	1957 CALENDAR YR. IN AC-FT.			PERIOD		ZERO ON GAGE	REF DATUM
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE			DISCHARGE	GAGE HEIGHT	FROM	TO		
SACRAMENTO RIVER ABOVE RECLAMATION DISTRICT 108 PUMPING PLANT																
38 52 58	121 48 59	SW13 12N 1E									MAR 55-DATE 8	FEB 55-DEC 55 FEB 56-DATE				
Formerly published as Sacramento River above Reclamation District 108 Drain Plant. Station located below Tyndall Landing, 2.5 mi. NW of district drainage pumping plant, 6.2 mi. W of Robbins. Flow computed for irrigation season only.																
SACRAMENTO RIVER AT RED BLUFF (Stage only)																
40 10 43	122 13 45	SW20 27N 3W		25.8	2/19/58		32.2	2/28/40				78-DATE	1957	1957	236.89 236.60	USGS USCGS
Station located at E end of U. S. Highway 99E bridge, immediately E of Red Bluff. Prior to Nov. 1957 staff gage readings at same location.																
SACRAMENTO RIVER NEAR RED BLUFF																
40 13 55	122 10 50	SE34 28N 3W	139000	24.98	2/19/58	291000	38.9	2/28/40	14720000	7533000	APR 95-DATE	APR 95-DATE	1902		253.18	USGS
Station located at lower end of Iron Canyon, 0.5 mi. below Sevenmile Creek, 4.6 mi. NE of Red Bluff. Records prior to Jan. 1902 at a site 16.2 mi. upstream. Records furn. by U.S.G.S. Drainage area, excluding Goose Lake basin, is approx. 9,300 sq. mi.																
SACRAMENTO RIVER NEAR REDDING																
40 32 19	122 21 20	SE18 31N 4W		54.19	2/21/58					5735000	MAR 45-APR 52 MAR 54-DEC 57 MAR 58-DATE 8	MAR 45-DEC 52 MAR 54-DATE	1945		403.00	USED
Station located below diversion dam of Anderson-Cottonwood Irrigation District, approx. 300 ft. above Churn Creek pumps, 3.5 mi. SE of Redding. Flow regulated by Shasta Lake. Flow computed for irrigation season only and based on correlation with adjacent gaging stations and should not be considered to have the same degree of accuracy as the records for other stations published in this report.																
SACRAMENTO RIVER AT RIO VISTA (Stage only)																
38 08 42	121 41 30	SW31 4N 3E		9.8	4/ 6/58		10.0	12/26/55				25-DATE	1925 1925		-3.06 0.00	USGS USED
Station located on dock at U. S. Engineers Transportation Depot, 1.1 mi. below the Rio Vista Bridge. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SACRAMENTO RIVER NEAR ROUGH AND READY BEND (Stage only)																
38 51 45	121 47 29	NE30 12N 2E										MAR 37-DATE	1937		0.00	USED
Staff located at Reclamation District 108 drainage pumping plant, 4.5 mi. E of Robbins. Gage read at least twice daily by pump operators. Revised 1957 data also included.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
SACRAMENTO RIVER AT SACRAMENTO																
38 35 19	121 30 15	NW35 9N 4E	88900	27.62	4/ 7/58	104000	30.14	11/21/50	25880000	14450000	04- 05	JAN 04-JUL 05		1956	3.10	USED
											JUN 21-NOV 21	20-DATE			0.12	USGS
											MAY 24-DEC 428		1956		2.98	USED
											MAY 43-DATE				0.00	USGS
Station located 1,000 ft. above the I Street Bridge, 0.5 mi. below the American River. This represents the flow of the Sacramento River past Sacramento into the Delta. Additional Sacramento River water reaches the Delta via Sacramento Weir and Yolo Bypass near Woodland. Below about 35,000 c.f.s., the stage-discharge relationship is affected by tidal influence. Records furn. by U.S.G.S.																
SACRAMENTO RIVER AT SACRAMENTO WEIR (Stage only)																
38 36 09	121 33 12	NE29 9N 4E		31.7	4/ 7/58		33.1	12/23/55				NOV 26-JUL 37#	1926		-3.07	USGS
												OCT 37-DATE	1926		0.00	USED
Station located 100 ft. below weir, 4 mi. NW of Sacramento. Station affected by tidal action. Maximum gage height listed does not necessarily indicate maximum discharge.																
SACRAMENTO RIVER OPPOSITE SACRAMENTO WEIR (Stage only)																
38 36 24	121 33 15	SE20 9N 4E		31.7	4/ 7/58							42-DATE #	1942		0.00	USED
Station located immediately E of weir, 4.2 mi. NW of Sacramento. Gage heights below weir crest (25.00 ft.) are not tabulated.																
SACRAMENTO RIVER AT SECOND BANNON SLOUGH (Stage only)																
See Reclamation District 1000 Drainage to Sacramento River (Second Bannon Slough). Gage read at least twice daily by pump operators.																
SACRAMENTO RIVER AT SNODGRASS SLOUGH (Stage only)																
38 21 02	121 31 56	SW22 6N 4E		19.8	4/ 4/58		20.5	12/23/55				AUG 39-DATE	1939		-3.02	USGS
													1939		0.00	USED
Station located 0.2 mi. above head of slough (leveed off from river), W of State Highway 24, 2.5 mi. NE of Courtland. Station affected by tidal action. Maximum gage height listed does not necessarily indicate maximum discharge.																
SACRAMENTO RIVER AT TISDALE WEIR (Stage only)																
Formerly published as Tisdale Weir from Sacramento River to Sutter Bypass. See Tisdale Weir Spill to Sutter Bypass. Gage heights below weir crest (45.45 ft.) are not tabulated.																
SACRAMENTO RIVER BELOW TISDALE WEIR (Stage only)																
39 01 15	121 49 11	NE35 14N 1E		51.8	2/27/58		53.5	3/ 1/40				JAN 25-DATE			0.00	USED
Formerly published as Sacramento River at Tisdale. Station located at Sutter Mutual Water Company pumping plant, 0.2 mi. below S end of Tisdale Weir, 5.5 mi. SE of Grimes.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT.	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
SACRAMENTO RIVER AT VERONA																
38 46 50	121 36 10	SE23 11N 3E	69200	38.47	2/26/58	79200	41.20	3/ 1/40	21590000	12460000	MAY 26-OCT 28& MAY 29-DATE	MAY 26-DATE	1926		-0.06	USED
Station located 0.8 mi. SE of Verona, 1.0 mi. below the Feather River. Records furn. by U.S.G.S.																
SACRAMENTO RIVER AT VINA BRIDGE																
39 54 34	122 05 31	NE28 24N 2W	147000	89.42	2/25/58	147000	89.42	2/25/58	17290000	8601000	APR 45-DATE	APR 45-DATE	1945		100.00 97.15	USED USCGS
Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina.																
SACRAMENTO RIVER AT WALNUT GROVE (Stage only)																
38 14 22	121 30 57	SW35 5N 4E		12.4	4/ 4/58		12.4	4/ 4/58				FEB 29-DATE	1929 1931 1940 1940	1931 1940	0.00 0.33 0.00 2.84	USED USED USGS USED
Station located at head of Georgiana Slough, immediately SW of Walnut Grove. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SACRAMENTO RIVER BELOW WILKINS SLOUGH																
39 00 35	121 49 25	NE 2 13N 1E	28900	51.41	2/27/58	28900	51.41	2/27/58	10900000	6861000	APR 31-OCT 38& JAN 39-DATE	AUG 31-DATE	1931		0.00	USED
Station located 0.3 mi. below Wilkins Slough pumping plant of Reclamation District 108, 1.3 mi. below Tisdale Weir, 6 mi. SE of Grimes. Records furn. by U.S.G.S.																
SACRAMENTO SLOUGH AT SACRAMENTO RIVER																
38 46 52	121 38 27	SE21 11N 3E		38.9	2/26/58						JUN 24-OCT 39& JAN 40-DATE	APR 45-DEC 46& APR 47-DATE				
Formerly published as Sacramento Slough to Sacramento River. Station located 0.5 mi. above mouth, 4.6 mi. SE of Knights Landing. During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows the slough is entirely submerged as it lies within the bypass area. Sharp rises in the Sacramento River cause zero or negative flow.																
SACRAMENTO WEIR SPILL TO YOLO BYPASS																
			4070	31.67	4/ 7/58	118000E	32.8	3/26/28	94150	7119	26-DATE					
Formerly published as Sacramento Weir from Sacramento River to Yolo Bypass. See Sacramento River at Sacramento Weir and Sacramento River opposite Sacramento Weir for stage records and locations. Elevation of fixed crest of weir is 25.0 ft. U.S.E.D. datum; elevation of movable crest (top of needles) is 31.0 ft. U.S.E.D. datum. There are 48 gates, each 38 ft. in length. Flow listed includes leakage through and spill over top of gates. Gates not opened during year.																
SALT CREEK NEAR BELLA VISTA																
40 39 40	122 11 41	NW 3 32N 3W				1320	5.67	3/24/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located at U. S. Highway 299 bridge, 2.8 mi. NE of Bella Vista. Tributary to Sacramento River via Little Cow Creek and Cow Creek.																

E - Estimatad & - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.			PERIOD		ZERO ON GAGE	REF. DATUM
LATITUDE	LONGITUDE	1/4 SEC. T. & R M. D. & B.M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE			DISCHARGE	GAGE HEIGHT	FROM	TO		
SALT SLOUGH NEAR LOS BANOS																
37 09 35	120 48 45								164400	63560	DEC 40-DATE	JUL 39-DATE	1939		70.60	USGS
Station located at San Luis Ranch, 7 mi. N of Los Banos. Salt Slough is an overflow channel of the San Joaquin River. Records furn. by U.S.G.S.																
SAN JOAQUIN RIVER AT ANTIOCH (Stage only)																
38 01 04	121 48 06	SW18 2N 2E		15.9	4/ 6/58		6.2	12/26/55				JUN 29-DATE	1929	1940	0.00	USED
													1940	1957	2.99	USED
													1940	1957	0.00	USGS
													1957		-9.96	USCGS
													1957		-6.97	USED
Station located on wharf at city water works immediately N of Antioch. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SAN JOAQUIN RIVER NEAR BIOLA																
36 49 22	120 05 14	SW 2 13S 17E	8240	11.72	4/ 6/58	8240	11.72	4/ 6/58	1165000	69210	26- 35 OCT 52-DATE	26- 35 OCT 52-DATE				
Station located 1.9 mi. below Skaggs Bridge, 4.2 mi. NW of Biola. Records furn. by U.S.G.S. Drainage area is 1,805 sq. mi.																
SAN JOAQUIN RIVER AT BRANDT BRIDGE (Stage only)																
37 51 53	121 19 18	NW 9 1S 6E		16.6	4/ 8/58							JUL 40-DATE	1940	1952	-3.61	USGS
													1952		-3.79	USCGS
Station located on Bowman Road between Roberts Island and Reclamation District 17. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SAN JOAQUIN RIVER NEAR DOS PALOS																
36 59 38	120 30 02					8200		6/ 5/52	914100	36650	OCT 40-DATE	OCT 40-DATE				
Station located 800 ft. below the head of Temple Slough, 6.5 mi. E of Dos Palos. Records furn. by U.S.B.R. Drainage area is approx. 5,630 sq. mi.																
SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE																
37 18 35	120 55 45		5910	71.14	4/ 6/58	5910	71.14	4/ 6/58	967000	164000	FEB 37-DATE	APR 37-DATE	1944	1957	-3.73	USGS
													1957		-3.77	USGS
Station located 150 ft. below Fremont Ford Bridge, 4.5 mi. W of Stevinson, 6.7 mi. above the Merced River. During periods of high flow, some water bypasses station through Mud Slough. Maximum discharge of record is for period 1944 to date. Records furn. by U.S.G.S. Drainage area is approx. 8,090 sq. mi.																
SAN JOAQUIN RIVER BELOW FRIANT																
36 59 04	119 43 24	SW 7 11S 21E	7570	9.28	4/ 6/58	77200	23.8	12/11/37	1180000	83840	JAN 09-DATE	OCT 07-DATE	1938		294.00	USGS
Station located 0.5 mi. W of Friant, 2 mi. below Friant Dam. Flow regulated by Millerton Lake. Records furn. by U.S.G.S. Drainage area is 1,675 sq. mi.																

E - Estimated 8 - Irrigation season only # - Flood seaaon only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
SAN JOAQUIN RIVER AT GRAYSON																
37 33 47	121 09 06	NW25 4S 7E	22900	46.58	4/ 7/58	23900	45.15	3/ 8/41	3044000	542800	JUL 28-DATE	JUL 28-DATE		1958	0.00	USED
Station located at Laird Slough Bridge, 5 mi. above the Tuolumne River. High flows bypassing this station through old channel of San Joaquin River are included in figures shown. Maximum discharge of record is for period 1939 to date. Records furn. by City of San Francisco.																
SAN JOAQUIN RIVER AT HETCH HETCHY AQUEDUCT CROSSING																
37 38 10	121 12 54	NE32 3S 7E				38400	38.43	4/ 2/40	5218000	1150000	MAR 33-DATE	MAR 33-DATE		1958	0.00	USED
Station located 2.9 mi. above the Stanislaus River. Maximum discharge of record is for period 1939 to date. Records furn. by City of San Francisco.																
SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE (Stage only)																
37 38 28	121 13 37	SW29 3S 7E		39.1	4/ 7/58		39.8	12/ 9/50			JAN 50-MAR 52	SEP 43-DATE	1943 1943		0.00 -3.4	USED USGS
Station located at State Highway 132 bridge, 13 mi. W of Modesto.																
SAN JOAQUIN RIVER NEAR MENDOTA																
36 48 37	120 22 35	SW 7 13S 15E				8840		6/ 1/52	1017000	178000	OCT 39-DATE	OCT 39-DATE				
Station located 2.5 mi. below Mendota Dam, 4 mi. N of Mendota. Records furn. by U.S.B.R. Drainage area is 4,310 sq. mi.																
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE (Stage only)																
37 47 12	121 18 21	SW 3 2S 6E		19.6	4/ 9/58		24.4	12/10/50				20-DATE	1920 1943 1943	1943	5.16 3.27 0.00	USED USED USGS
Station located below U. S. Highway 50 bridge, 3.0 mi. SW of Lathrop. Station affected by tidal action. Maximum gage height listed does not necessarily indicate maximum discharge.																
SAN JOAQUIN RIVER NEAR NEWMAN																
37 21 02	120 58 34	SW 3 7S 9E	21600	18.25	4/ 6/58	33000	18.50	3/ 7/38	2590000	452200	APR 12-DATE	APR 12-DATE	1912		47.24	USGS
Station located at bridge on Hills Ferry Road, 300 ft. below the Merced River, 3.5 mi. NE of Newman. Combine flow with Merced River Slough near Newman to give total flow passing this point. Records furn. by U.S.G.S. Drainage area is 9,990 sq. mi.																
SAN JOAQUIN RIVER AT PATTERSON BRIDGE (Stage only)																
37 29 52	121 04 52	SW15 5S 8E										APR 38-DATE	1938 1938		0.00 -3.5	USED USGS
Station located at Patterson-Turlock Highway bridge, 3.2 mi. NE of Patterson.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M D.B.&M	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
SAN JOAQUIN RIVER AT RINDGE PUMP (Stage only)																
37 59 51	121 25 06	NW27 2N 5E		6.7	4/ 6/58		7.1	12/ /55				JUL 39-DATE	1939	1940	-2.2	USED
													1940		0.00	USGS
													1940		3.0	USED
Station located on Rindge Tract at Fourteen Mile Slough near junction with Stockton Ship Channel, 8 mi. NW of Stockton. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING (Stage only)																
38 06 12	121 35 26	SE13 3N 3E		9.4	4/ 6/58							MAY 52-DATE	1952		-2.84	USCGS
Station located approx. 1.2 mi. below the Mokelumne River. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SAN JOAQUIN RIVER AT VENICE ISLAND (Stage only)																
38 03 01	121 29 45	NE 2 2N 4E		10.2	4/ 6/58		10.7	12/26/55				JAN 28-DATE	1928		-3.45	USGS
Station located on Little Connection Slough on Empire Island approx. 1 mi. S of Venice Island Ferry. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SAN JOAQUIN RIVER NEAR VERNALIS																
37 40 34	121 15 51		41400	26.60	4/ 5/58	79000	27.75	12/ 9/50	6056000	1447000	JUL 22-DEC 23E JAN 24-FEB 25 JUN 25-OCT 28E MAY 29-DATE	JUL 22-DEC 23E JAN 24-FEB 25 JUN 25-OCT 28E MAY 29-DATE	1931		8.4	USED
Station located 30 ft. above the Durham Ferry Highway bridge, 3 mi. below the Stanislaus River, 3.4 mi. NE of Vernalis. Records furn. by U.S.G.S. Drainage area is approx. 14,010 sq. mi.																
SAN JOAQUIN RIVER AT WHITEHOUSE																
36 46 26	120 17 05	NE25 13S 15E							1292000	37080	01-DATE					
Station located 13 mi. below the head of Gravelly Ford Canal. Records furn. by San Joaquin Canal Co.																
SHASTA LAKE																
40 43 10	122 25 10	NW15 33N 5W							9699000	5964000	NOV 42-DATE	NOV 42-DATE	1942		0.00	USGS
Station located in Shasta Dam, 2 mi. below Squaw Creek, 9.5 mi. N of Redding. Usable capacity, 4,377,000 ac.-ft. between elevations 737.75 and 1,065.0 ft. above mean sea level. Not available for release, 115,700 ac.-ft. Inflow to Shasta Lake takes into account change in storage, release, spill, precipitation, and evaporation, and is representative of the natural flow which would pass the dam site if the dam had not been constructed. Figures shown under total discharge are computed inflow to the reservoir. Period of record for computed inflow is shown under period of record for discharge. Period of record for daily content is shown under period of record for stage. Records furn. by U.S.B.R. Drainage area, excluding Goose Lake Basin, is 6,665 sq. mi.																	

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
SMITHNECK CREEK NEAR LOYALTON																
39 37 52	120 11 54	NW33 21N 16E	102	4.67	5/ 6/58	702	4.87	12/23/55	12290	6612	JUL 54-DATE	JUL 54-DATE	1954		0.00	LOCAL
Station located 100 ft. W of county road, 4.0 mi. SE of Loyalton. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 31.6 sq. mi.																
SNODGRASS SLOUGH AT TWIN CITIES ROAD BRIDGE (Stage only)																
38 16 37	121 29 45	NW24 5N 4E		14.4	4/ 4/58		14.4	4/ 4/58				OCT 57-DATE				
Station located on Twin Cities Road (Laurel Lane) bridge, approx. 3 mi. NE of Walnut Grove. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD																
40 18 52	122 26 54	NE 5 28N 5W				1180	4.01	4/17/58			APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL
Station located 70 ft. above highway bridge, 11 mi. SW of Cottonwood. Tributary to Sacramento River via Cottonwood Creek. Drainage area is 218 sq. mi.																
SOUTH FORK KINGS RIVER BELOW EMPIRE WEIR 2																
36 10	119 50	20S 19E							38820	22920						
Station located 1.0 mi. SW of Stratford. So. Fork Kings River, composed of Kings River water, is a tributary to the Tulare Lake area. Records furn. by Kings River Water Association.																
SOUTH FORK MOKELUMNE RIVER AT NEW HOPE BRIDGE (Stage only)																
38 13 36	121 29 26	NW 1 4N 4E		12.8	4/ 4/58		13.3	12/25/55				AUG 20-DATE	1920 1940 1940	1940	0.26 0.00 2.84	USED USGS USED
Formerly published as Mokelumne River at New Hope Bridge. Station located on Staten Island, S of Walnut Grove-Thornton Highway bridge, 3.8 mi. W of Thornton. Station affected by tidal action. Maximum gage haight listed does not indicate maximum discharge.																
SOUTH FORK PIT RIVER NEAR JESS VALLEY																
41 13 50	120 21 58	NE 9 39N 14E				588	5.17	5/12/58			OCT 57-DATE	OCT 57-DATE	1957		0.00	LOCAL
Station located 2.5 mi. E of West Valley Reservoir control structure, W of Jess Valley, 7.3 mi. E of Likely. Stage-discharge relationship at times affected by ice. Flow listed does not include diversion 50 ft. below station to West Valley Reservoir.																
SOUTH FORK PUTAH CREEK NEAR DAVIS																
38 31 02	121 45 21	NE28 8N 2E				6450	11.42	2/24/58			OCT 57-DATE	OCT 57-DATE				
Station located at Low Water Bridge, 0.8 mi. below U. S. Highway 40 bridge, 2.3 mi. SW of Davis. Tributary to Yolo Bypass.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT.	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
SOUTH HONCUT CREEK NEAR BANGOR																
39 22 05	121 22 15	SE35 18N 5E	2410	8.09	4/ 2/58	6340	11.15	12/23/55	42000	14120	OCT 50-DATE	OCT 50-DATE				
Station located 2.3 mi. SE of Bangor, 16 mi. above mouth. Tributary to Feather River. Records furn. by U.S.G.S. Drainage area is 30.5 sq. mi.																
SPANISH CREEK NEAR QUINCY																
39 56 43	121 00 20	NW17 24N 9E	9100E	9.22	2/24/58				173000	94070	AUG 54-DATE	AUG 54-DATE	1956		0.00	LOCAL
Station located on north adge of Bucks Lake Road, 3.2 mi. W of Quincy. Tributary to East Branch North Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 68.4 sq. mi.																
STANISLAUS RIVER BELOW MELONES POWERHOUSE																
37 56 50	120 31 45	NE15 1N 13E	13400	13.94	4/ 3/58	62800	29.0	12/23/55	1607000	781700	JAN 31-DATE	JAN 31-DATE				
Station located 300 ft. below the powerhouse, 1.0 mi. below Melones Dam. Flow affected by upstream regulation of several reservoirs. Backwater from Tullock Reservoir at times affects the stage-discharge relationship. Records furn. by U.S.G.S. Drainage area is 898 sq. mi.																
STANISLAUS RIVER NEAR MOUTH																
37 40 02	121 13 41	SW17 3S 7E		33.81	4/ 5/58				1219000	291900	SEP 51-DATE	SEP 51-DATE	1951		-1.11	USCGS
Station located 1.9 mi. above mouth, 7.6 mi. SW of Ripon. Backwater from San Joaquin River at times affects the stage-discharge relationship. Prior records available at other sites. Maximum gage height listed does not necessarily indicate maximum discharge.																
STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE																
37 47 18	120 45 41	SE 4 2S 11E	12000	15.04	4/ 3/58	52000	30.05	11/21/50	985000	196600	JUN 28-DEC 398 APR 40-DATE	JUN 28-DEC 398 APR 40-DATE			0.00	LOCAL
Station located at bridge, 5.0 mi. E of Oakdale. Flow regulated by reservoirs and power plants.																
STANISLAUS RIVER AT RIPON																
37 43 50	121 06 35	SE29 2S 8E	14600	57.48	4/ 4/58	62500	63.25	12/24/55	1180000	290500	APR 40-DATE	APR 40-DATE	1940		0.00	USGS
Station located 15 ft. below the So. Pacific Railroad bridge, 1.0 mi. SE of Ripon. Records furn. by U.S.G.S.																
STANISLAUS RIVER AT RIVERBANK																
37 44 31	120 56 21	SW24 2S 9E	10800	87.90	4/ 4/58	85800	103.18	12/23/55	1092000	238100	JUL 40-DATE	JUL 40-DATE	1940		0.00	USGS
Station located at Burneyville Bridge, immediately N of Riverbank.																

E - Estimated 8 - Irrigation aeaaon only # - Flood saason only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD							PERIOD			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO	ZERO ON GAGE	REF. DATUM
STOCKTON DIVERTING CANAL AT STOCKTON																
37 59 01	121 15 09	NW31 2N 7E	11400E	17.10E	4/ 4/58E	11400E	17.10E	4/ 4/58E		23680	JAN 44-DATE	JAN 44-DATE	1954		0.00	LOCAL
Station located 200 ft. below Waterloo Road bridge, immediately NE of Stockton. This is water diverted from the Calaveras River by Mormon Slough and returned to the river by Stockton Diverting Canal. During high flow periods, overflow from Calaveras River and Duck Creek can be included.																
STOCKTON SHIP CHANNEL AT BURNS CUTOFF (Stage only)																
37 57 46	121 21 54	SW 6 1N 6E										MAY 40-DATE	1940	1943	-4.22	USGS
													1943	1945	-4.39	USGS
													1945	1946	-4.70	USGS
													1946	1951	-3.00	USGS
													1951		-3.02	USCGS
Station located on north end of Rough and Ready Island, approx. 0.4 mi. above Burns Cutoff. Station affected by tidal action.																
STONE CORRAL CREEK NEAR SITES																
39 17 18	122 18 00	NW34 17N 4W				2500E	14.93	4/ 2/58			MAR 58-DATE	MAR 58-DATE	1958		0.00	LOCAL
Station located at Maxwell-Sites Highway bridge, 2.5 mi. SE of Sites, 6 mi. NW of Maxwell. Tributary to Coluea Basin Drain.																
STONY CREEK AT BLACK BUTTE DAM SITE, NEAR ORLAND																
39 49 00	122 22 00	SE29 23N 4W	36300	11.82	2/24/58	36300	11.82	2/24/58	991100	182400	FEB 48-DATE	FEB 48-DATE	1948		369.89	USGS
Station located 120 ft. below the diversion dam, 8.7 mi. NW of Orland. Flow regulated by East Park Reservoir and Stony Gorge Reservoir. Flows listed do not include flow of So. Diversion Canal which diverts 120 ft. above station. Records furn. by U.S.G.S. Drainage area is 741 sq. mi.																
STONY CREEK NEAR HAMILTON CITY																
39 43 25	122 02 47		39900	18.31	2/25/58	39900	18.31	2/25/58	1044000	130100	JAN 41-DATE	JAN 41-DATE	1941	1944	188.11	USED
													1944	1946	186.61	USED
Station located 2.3 mi. SW of Hamilton City, 6 mi. above mouth. Tributary to Sacramento River. Flow to Sacramento River is cut off during irrigation season by an earth fill installed by Glenn-Colusa Irrigation District to transport water from their main canal across Stony Creek. Records furn. by U.S.G.S. Drainage area is 764 sq. mi.																
STONY CREEK AT ST. JOHN (Stage only)																
39 42 35	122 00 07						13.9	2/28/40				06-DATE			136.9	USED
Station located at State Highway 45 bridge, 2 mi. S of Hamilton City. Records furn. by U.S.W.B.																
STRIPED ROCK CREEK NEAR RAYMOND																
37 20 27	119 53 35	NE 9 7S 19E				1180E	8.87	4/ 3/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located 8.7 mi. N of Raymond, 11 mi. SE of Mariposa. Tributary to Chowchilla River. Drainage area is 17.1 sq. mi.																

E - Estimated B - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
SUISUN BAY AT BENICIA ARSENAL (Stage only)																
38 02 34	122 08 00	SW 6 2N 2W		5.7	4/ 6/58		5.7	4/ 6/58				JUN 29-APR 40 APR 40-DATE	1929 1940 1942	1940 1942	-2.21 -5.00 0.00	USGS USGS USGS
Station located on inshore side of wharf, immediately SE of Benicia. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge. Period of record intermittent from 1929-1940.																
SUTTER BYPASS AT LONG BRIDGE (Stage only)																
39 08 46	121 50 31	SE15 15N 1E		54.4	2/21/58		57.7	3/ 1/40				14-DATE			0.00	USED
Station located on west levee, 0.2 mi. N of State Highway 20, 3.9 mi. E of Meridian. Gage heights below 39.0 ft. are not indicative of flow in channel and have not been listed.																
SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT (Stage only)																
See Reclamation District 1500 Drainage to Sacramento Slough.																
SUTTER BYPASS AT STATE PUMPING PLANT 1 (Stage only)																
38 55 59	121 38 03	NE33 13N 3E										20-DATE			0.00	USED
Staff located on east levee, 3 mi. N of Nelson Slough, 3.6 mi. NW of Nicolaus. Gage read at least twice daily by pump operators.																
SUTTER BYPASS AT STATE PUMPING PLANT 2 (Stage only)																
39 01 34	121 43 32	SW26 14N 2E										20-DATE			0.00	USED
Staff located on east levee at O'Banion Road, 9.8 mi. SW of Yuba City. Gage read at least twice daily by pump operators.																
SUTTER BYPASS AT STATE PUMPING PLANT 3 (Stage only)																
39 07 15	121 46 40	SW29 15N 2E										20-DATE	1920		0.00	USED
Staff located on east levee, 0.7 mi. above Wadsworth Canal, 3.0 mi. SW of Sutter. Gage read at least twice daily by pump operators.																
THOMES CREEK AT PASKENTA																
39 52 55	122 33 05	NW 4 23N 6W	14300	9.78	2/24/58	23500	12.14	12/21/55	456400	198000	JAN 21-DATE	OCT 20-DATE				
Station located 0.3 mi. above highway bridge at Paskenta. Tributary to Sacramento River. Records furn. by U.S.G.S. Drainage area is 188 sq. mi.																
THREEMILE SLOUGH AT SACRAMENTO RIVER (Stage only)																
38 06 18	121 41 57	SE13 3N 2E		6.4E	4/ 6/58E		6.7	12/26/55				APR 29-DATE	1929 1940 1940	1940	0.00 0.00 3.22	USED USGS USED
Station located on Sherman Island, 0.1 mi. E of State Highway 24 bridge, 3.6 mi. S of Rio Vista. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
THREEMILE SLOUGH AT SAN JOAQUIN RIVER (Stage only)																
38 05 13	121 41 07	SE19 3N 3E		5.9	4/ 6/58		5.9	4/ 6/58				JUN 29-DATE	1929	1940	0.00	USED
													1940		0.00	USGS
													1940		2.89	USED
Station located on Sherman Island, 5.0 mi. S of Rio Vista. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge. Maximum of record is maximum recorded stage. Record not complete in Dec. 1955.																
TISDALE BYPASS AT RECLAMATION DISTRICT 1660 PUMPING PLANT (Stage only)																
39 01 44	121 46 53	SE30 14N 2E										JAN 25-DATE			0.00	USED
Staff located on north levee at district drainage pumping plant, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. Gage read twice daily by pump operators.																
TISDALE WEIR SPILL TO SUTTER BYPASS																
39 01 36	121 49 16	NE35 14N 1E		51.77	2/21/58	25700	53.3	3/ 1/40	1662000	275000	JAN 40-DATE	JAN 35-DATE	1935		0.00	USED
Formerly published as Tiadale Weir from Sacramento River to Sutter Bypass. Station located W of north end of weir, 5.0 mi. SE of Grimes. See Sacramento River at Tisdale Weir for stage records. Elevation of weir crest is 45.45 ft. U.S.E.D. datum; length of crest is 1,155 ft. Backwater from Sutter Bypass at times affects stage-discharge relationship. Maximum gage height listed does not necessarily indicate maximum diacharge.																
TOM PAINE SLOUGH ABOVE MOUTH (Stage only)																
37 47 27	121 25 03	NW 4 2S 5E		14.1	4/ 8/58		14.6	12/29/55				JUN 51-DEC 51 APR 53-OCT 53 APR 54-DATE				
Station located 0.1 mi. E of mouth of Sugar Cut, 2.2 mi. above mouth, 2.6 mi. N of Tracy. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
TULARE LAKE (Stage only)																
36 03 10	119 49 35			188.80	4/21/58		196.8	6/28/41				FEB 37-DATE	1937		0.00	USGS
Station located 2.2 mi. SW of Chatom Ranch, 6 mi. SW of Corcoran on south end of El Rico bridge. Tulare Lake receives water from Kings, Kaweah, and Tule Rivers during high-water periods and occasionally from Kern River, Deer Creek, and several small intermittent streams. Elevation at lowest point of lake bed is now about 180 ft. U.S.G.S. datum. Records furn. by Tulare Lake Basin Water Storage District.																
TULE RIVER BELOW PORTERVILLE																
36 04 40	119 06 22	NW30 21S 27E	4190	7.69	4/ 3/58	5170	8.17	5/19/57	197500		FEB 57-DATE	FEB 57-DATE	1957		0.00	LOCAL
Station located at Rockford Road bridge, 5.1 mi. W of Porterville. Flow at times includes releases from Friant-Kern Canal.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
TULE RIVER NEAR PORTERVILLE																
36 04 47	118 54 32	NW25 21S 28E	3000	6.20	4/ 3/58	25500	13.75	11/19/50	169900	56630	MAY 01-DATE	MAY 01-DATE				
Station located at highway bridge, 1.0 mi. above So. Fork, 6 mi. E of Porterville. Records furn. by U.S.C.S. Drainage area is 261 sq. mi.																
TULE RIVER AT TURNBULL STATION																
36 02 31	119 31 06	SE 6 22S 23E				2090	12.31	12/25/55			DEC 42-JUL 58	DEC 42-JUL 58	1953	1953	0.00 -1.72	LOCAL LOCAL
Station located 0.2 mi. below Corcoran-Angiola Highway bridge, 4.5 mi. SE of Corcoran. At times there is additional water from Kaweah River via Elk Bayou, Kings River via Homeland Canal, and spill from Tulare Irrigation District. Station discontinued July 14, 1958.																
TULE RIVER AT WORTH BRIDGE, NEAR PORTERVILLE																
36 02 55	118 56 15	NW 3 22S 28E	4600	16.10	4/ 3/58	27000	21.65	12/23/55	218100	64280	OCT 44-DATE	OCT 44-DATE				
Station located at highway bridge, 1.0 mi. above the head of Porter Slough, 2.2 mi. below So. Fork Tule River, 5 mi. E of Porterville. Records furn. by U.S.G.S. Drainage area is 395 sq. mi.																
TUOLUMNE RIVER AT HICKMAN BRIDGE																
37 38 10	120 45 14	NW34 3S 11E	8580	80.42	6/23/58	59000	96.2	12/ 8/50	1599000	456000	JUL 32-OCT 36# JAN 37-MAR 37 JUL 37-FEB 38 JUL 38-DEC 38 MAR 39-DATE	JUL 32-OCT 36# JAN 37-MAR 37 JUL 37-FEB 38 JUL 38-DEC 38 MAR 39-DATE	1932		0.00	USGS
Station located at Hickman-Waterford Road bridge, immediately SE of Waterford.																
TUOLUMNE RIVER AT LA GRANGE BRIDGE																
37 39 59	120 27 40	NW20 3S 14E	8220	175.16	6/21/58	48200	188.0	12/ 8/50	1481000	380200	OCT 36-DATE	OCT 36-DATE	1937		0.00	USGS
Station located at highway bridge, immediately N of La Grange. Flow regulated by reservoirs and power plants.																
TUOLUMNE RIVER ABOVE LA GRANGE DAM NEAR LA GRANGE																
37 42 35	120 24 45	NE 3 3S 14E	11800	16.15	6/20/58	61000	43.8	12/ 8/50	2388000	1299000	MAR 15-DATE	MAR 15-DATE				
Station located 0.5 mi. below Don Pedro Dam, 3.5 mi. above La Grange Dam. Flow regulated by Don Pedro power plant, Don Pedro Reservoir, Hetch Hetchy Reservoir, Lake Lloyd, and Lake Eleanor. Tuolumne Canal diverts water from the Stanislaus River basin into the Tuolumne River basin above station. Records furn. by U.S.G.S. Drainage area is 1,540 sq. mi.																
TUOLUMNE RIVER AT MODESTO																
37 37 38	120 59 20	SW33 3S 9E	12200	56.00	4/ 4/58	57000	69.19	12/ 9/50	1855000	576600	MAR 40-DATE	78- 84 91- 97 MAR 40-DATE	1940		0.00	USGS
Station located at U. S. Highway 99 bridge. Records furn. by U.S.G.S.																

E - Estimated θ - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD							PERIOD		ZERO ON GAGE	REF. DATUM
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE	1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	FROM	TO		
TUOLUMNE RIVER AT ROBERTS FERRY BRIDGE																
37 38 08	120 37 03	NW35 3S 12E	8750	115.49	4/ 3/58	49800	128.2	12/ 8/50	1591000	411700	JUL 28-OCT 36δ JAN 37-FEB 38 JUN 38-DATE	JUL 28-OCT 36δ JAN 37-FEB 38 JUN 38-DATE	1930 1940	1940	106.20 0	USGS USGS
Station located at highway bridge, 7.5 mi. E of Waterford.																
TUOLUMNE RIVER AT TUOLUMNE CITY																
37 36 12	121 07 50	NW 7 4S 8E	11500	43.86	4/ 4/58				2146000	590600	30-DATE	30-DATE			0.00	USED
Station located at highway bridge, 3.35 mi. above mouth. Backwater at times affects the stage-discharge relationship. Records furn. by City of San Francisco.																
TURNER CREEK NEAR CANBY																
41 25 53	121 00 34	SE35 42N 8E				42E	4.84	5/11/58			MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL
Station located 1.4 mi. above mouth, 7.3 mi. W of Canby. Tributary to Pit River. Stage-discharge relationship at times affected by ice.																
WADSWORTH CANAL AT BUTTE HOUSE ROAD																
39 10 01	121 43 39	NE10 15N 2E		53.13	5/ 3/58		54.75	2/ 8/42	130000	52310	JAN 39-DATE	SEP 29-DATE			0.00	USED
Formerly published as Wadsworth Canal to Sutter Bypass. Station located at bridge, 1.2 mi. E of Sutter. Tributary to Sutter Bypass. Backwater from Sutter Bypass at times affects stage-discharge relationship. Maximum gage height listed does not necessarily indicate maximum discharge. This flow and flow of Butte Slough to Sutter Bypass make up entire Feather River contribution to the Sutter Bypass.																
WEBBER CREEK NEAR SIERRAVILLE																
39 34 06	120 21 47	SE24 20N 14W	320E	3.84	2/24/58	583	5.26	12/23/55	38190	23300	AUG 54-DATE	JUL 54-DATE	1954		0.00	LOCAL
Station located 0.2 mi. W of State Highway 89, 1.4 mi. S of Sierraville. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice.																
WEST FORK CHOWCHILLA RIVER NEAR MARIPOSA																
37 25 14	119 52 25	SE10 6S 19E				3590E	8.67	4/ 3/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located 15 ft. below Indian Peak Road bridge, 6.7 mi. SE of Mariposa. Drainage area is 33.7 sq. mi.																
WILLOW CREEK NEAR ADIN																
41 05 04	120 54 09	SE35 38N 9E	179E	3.58	2/24/58				10680		29-SEP 57δ SEP 57-DATE	29-SEP 57δ SEP 57-DATE	1957		0.00	LOCAL
Station located W of Adin-Susanville Highway, 8.2 mi. SE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice.																

E - Estimated δ - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT.	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
WOLF CREEK AT GREENVILLE																
40 08 20	120 56 30	SW 2 26N 9E	2950E	11.05E	2/24/58E				66410	24000	AUG 54-DATE	AUG 54-DATE	1956		0.00	LOCAL
Station located 100 ft. above State Highway 89 bridge, immediately E of Greenville. Tributary to East Branch North Fork Feather River. Stage-discharge relationship at times affected by ice.																
WOLF CREEK NEAR WOLF																
39 02 41	121 06 32	SE20 14N 8E	5060E	16.86	4/ 2/58				122200		MAY 57-DATE	MAY 57-DATE	1957		0.00	LOCAL
Station located 0.8 mi. W of State Highway 49, 1.9 mi. SE of Wolf. Tributary to Bear River. Drainage area is approx. 70 sq. mi.																
YOLO BYPASS AT LIBERTY ISLAND (Stage only)																
38 19 15	121 40 00	[illegible] 6N 5E		16.4	2/27/58		18.4	2/ 8/42				18-DATE	1918		0.00	USED
Station located on east levee of Liberty Island approx. 3 mi. N of Prospect Slough, 5.3 mi. W of Courtland. Station affected by tidal action. Maximum gage height listed does not necessarily indicate maximum discharge.																
YOLO BYPASS AT LINDSEY SLOUGH (Stage only)																
38 14 45	121 42 26	SW24 5N 2E		12.0	2/27/58		16.1	2/ 8/42				JAN 41-DATE	1941 1941		-2.92 0.0	USGS USED
Station located at California Packing Corporation Headquarters, 6.2 mi. N of Rio Vista. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.																
YOLO BYPASS AT LISBON (Stage only)																
38 28 22	121 34 50	SW 7 7N 4E		21.1	2/27/58		23.4	12/24/55				14-DATE			0.00	USED
Station located 0.1 mi. below east end of Sacramento Northern Railway trestle, 4.9 mi. NW of Clarksburg. Station affected by tidal action. Maximum gage height listed does not necessarily indicate maximum discharge.																
YOLO BYPASS ABOVE SACRAMENTO BYPASS (Stage only)																
38 35 59	121 35 23	NE25 9N 3E		23.7	2/27/58		26.9	12/24/55				25-DATE	1925 1925		-3.07 0.00	USGS USED
Formerly published as Yolo Bypass at Sacramento Bypass. Station located at intersection of east levee of Yolo Bypass and north levee of Sacramento Bypass, 5.6 mi. NW of Sacramento.																
YOLO BYPASS NEAR WOODLAND																
38 40 40	121 38 35	SE28 10N 3E	180000	30.05	2/27/58	272000	32.00	2/ 8/42	9424000	793200	MAR 30-OCT 38& JAN 39-DATE	40- 41# 41-DATE	1930 1941	1941	0.73 0.00	USED USED
Station located just above the Sacramento-Woodland Railroad bridge, 6 mi. above the Sacramento Bypass, 7 mi. E of Woodland. Supplementary water-stage recorder located in Tule Canal, 1.0 mi. below Sacramento Bypass, 7 mi. below the upper station. Flow referred to the recorder in the Tule Canal below Sacramento Bypass except during periods of high water when it is referred to the recorder above Sacramento-Woodland Railroad bridge. To get total flow through Yolo Bypass below Sacramento combine with Sacramento Weir and Putah Creek near Davis. Flow includes Cache Creek at Yolo, Ridge Cut at Knights Landing, and Fremont Weir. Records furn. by U.S.G.S.																

E - Estimated & - Irrigation season only # - Flood season only

TABLE 23

GAGING STATION DESCRIPTION AND DATA SUMMARY
CENTRAL VALLEY AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.	DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE					FROM	TO		
YUBA RIVER AT ENGLEBRIGHT DAM																
39 14 22	121 16 00	SE14 16N 6E	50900		2/25/58	148000		12/23/55	2867000	1502000	OCT 41-DATE	NOV 41-DATE	1941		526.99	USGS
Station located above spillway of Englebright Dam, 1.0 mi. above Deer Creek, 2 mi. NE of Smartville. Flow regulated by Lake Spaulding, Englebright Reservoir, Bowman Lake, Fordyce Lake, and many smaller reservoirs. Records given herein show total flow over Englebright Dam spillway and through and past power plant. For total flow of Yuba River near Smartville combine with flows of Deer Creek near Smartville. Records furn. by U.S.G.S. Drainage area is 1,104 sq. mi.																
YUBA RIVER NEAR MARYSVILLE																
39 10 35	121 31 25		48800	78.9	2/25/58				3159000		39- 458 APR 45-DATE	AUG 54-SEP 55 OCT 57-DATE	1939		0.00	USED
Station located 4.2 mi. NE of Marysville, 5 mi. below Dry Creek. Prior to Sept. 30, 1957 at site 4.2 mi. downstream. Records furn. by U.S.G.S. Drainage area is 1,335 sq. mi.																

E - Estimated 8 - Irrigation season only # - Flood season only

TABLE 24

DAILY MEAN DISCHARGE
SOUTH FORK PIT RIVER NEAR JESS VALLEY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		35		44 E	44	57	67	149	229	121	41	20
2		31	43 E	42	35	54	62	183	233	133	41	18
3		29		42	42	57	60	217	320	116	43	18
4		32	46		42	52	57	240	309	97	39	20
5		32	41		40	50	53	266	249	87	38	23
6		32	37	40 E	41	50	50	309	220	81	37	20
7		32	39		41	50	44	325	194	77	36	20
8		36	37	39	63	50	44	355	196	63	34	19
9		35	37	37	53	54	44	378	213	62	30	20
10		35	36	38	43	55	46	401	196	62	28	20
11		36	36	39	40	52	53	476	209	64	22	20
12	47 E	39	36	38	93	48	58	581	361	64	23	20
13	86	100	36	38	64	50	69	492	299	62	24	22
14	79	252	38	40	60	50	81	401	222	63	20	24
15	56	86	39	46	80	53	91	364	190	68	20	22
16	47	62	53	50	86	54	99	350	183	76	20	19
17	43	50	50	50	72	56	124	366	171	90	23	18
18	40	50	43	45	61	52	136	395	168	91	25	16
19	38	55	45	66	48	150	422	198	88	22	15	
20	39	61	52	67	50	173	444	278	72	27	16	
21	39	50	67	42 E	63	48	206	441	224	64	33	16
22	38	44	52	62	45	231	425	194	67	27	21	
23	36	43	48	39	62	43	169	416	186	72	25	36
24	37	43	47	40	85	45	136	398	175	81	24	34
25	41	44	45	45	117	45	121	378	158	76	24	31
26	52	43	50	43	83	43	114	352	145	62	23	30
27	43	40	45	44	72	41	108	336	134	56	22	30
28	40	40	77	54	64	42	113	304	116	55	22	28
29	38	43 E	56	75		44	109	278	124	55	20	28
30	36	43 E	46	66		50	119	256	121	47	20	28
31	36		44 E	54		56		242		42	18	
Mean		51.8	45.4	44.4	62.2	49.8	99.6	353	207	74.6	27.5	22.4
Ac-Ft		3080	2791	2729	3453	3062	5925	21700	12330	4590	1688	1333

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 25

DAILY MEAN DISCHARGE
PINE CREEK NEAR ALTURAS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			12	17	18	19	22	34	68	49	20	16
2			11	15	15	18	20	38	67	48	21	15
3			12	12	18	18	21	41	73	44	21	15
4			12	12	16	17	22	44 E	65	42	19	15
5			12	15	15	16	21	45 E	61	40	18	15
6			12	15	15	16	18	48	59	38	18	15
7			12	14	14	17	15	47	59	38	18	15
8			12	13	20	18	15	51	58	37	18	16
9			12	12	22	19	14	55	57	36	18	16
10			12	14	16	18	15	60	56	36	18	16
11			12	13	15	17	16	83	54	35	18	15
12			12	13	34	15	17	86	62	34	18	15
13			12	12	22	15	18	77	56	33	18	17
14			13	13	22	15	21	75	54	33	17	16
15			13	16	35	22	23	73	54	33	17	15
16			22	20	28	20	25	72	52	32	18	15
17			22	22	22	22	30	73	54	32	18	15
18			19	16	18	18	31	75	56	30	19	15
19			20	10	23	15	33	83	60	29	18	15
20		16 E	25	15	23	15	37	93	61	27	20	15
21		14	19	14	21	15	40	100	60	26 E	22	14
22		15	18	13	20	14	41	100	61	26 E	21	16
23		15	27	18	20	13	36	98	64	26 E	19	17
24		14	26	13	42	13	33	98	62	27	18	15
25		13	20	13	44	13	30	96	60	26	18	15
26		12	26	14	32	12	30	92	58	23	18	15
27		13 E	21	17	26	12	29	90	56	23	17	15
28		14	60	30	21	13	29	87	52	22	17	15
29		13 E	24	43		13	30	83	52	22	17	15
30		13	12	33		15	31	77	49	22	16	14
31			14	21		18		73		21	16	
Mean			17.9	16.7	22.8	16.2	25.4	72.5	58.6	31.9	18.4	15.3
Ac-Ft			1103	1027	1263	994	1513	4457	3489	1964	1129	908

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 26

DAILY MEAN DISCHARGE
PIT RIVER BELOW ALTURAS

In second-feet

Date	1957			1958									
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept
1		53	53	169	565	976	605	405	321	308	228	122 E
2		52	54	186	369	709	623	459	303	310	264	130 E
3		47	46	171	311	633	593	468	615	275	298	138 E
4		46	45	140	402	583	703	509	764	236	300	134
5		48	53	117	351	540	705	583	674	215	203	137
6		46	50	126	308	502	591	577	536	203	137	127
7		44	54	129	286	461	553	561	430	182	122	129
8		47	56	123	295	461	521	546	378	167	133	137
9		51	52	114	369	470	507	534	385	150	129	108
10		50	56	132	344	472	528	577	416	140	155	94
11		51	70	144	269	427	515	674	430	132	217	99
12	81 E	54	92	148	491	402	498	962	479	133	169	99
13	95	144	95	148	830	393	483	1200	635	157	132	102
14	133	773 E	104	149	745	411	555	1190	643	170	134	96
15	120	823 E	104	162	760	454	597	1090	536	134	166	99
16	96	579	185	269	1240	551	633	969	411	139	158	105
17	81	221	446	298	1140	563	699	837	308	144	149	106
18	72	153	354	270	945	555	846	749	230	161	149	112
19	62	149	263	178	943	476	877	703	259	159	167	114
20	59	152	297	152	1030	465	879	674	374	153	191	109
21	57	157	489	144	897	555	906	655	509	148	161	110
22	52	112	388	110	711	553	902	678	485	148	130	110
23	53	101	207	120	625	459	891	699	395	138	112	163
24	46	104	203	134	1030	418	841	692	334	142	115	175
25	48	87	194	144	2050	402	756	713	302	152	123	165
26	52	76	314	154	1790	459	651	659	318	137	122	142
27	61	67	303	198	1550	395	553	603	287	127	124	123
28	53	60	294	287	1280	362	494	506	247	94	107 E	116
29	50	52	476	1100		364	479	405	270	61	100 E	113
30	50	46	337	1380		361	455	379	294	72	107 E	104
31	51		190	1020		450		374		189	114 E	
Mean		148	191	262	783	493	648	665	419	164	159	121
Ac-Ft.		8817	11750	16100	43490	30310	38560	40920	24930	10070	9751	7176

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 27

DAILY MEAN DISCHARGE
TURNER CREEK NEAR CANBY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1									1.4	0.8	0.5	0.3
2								14 E	1.4	0.8	0.6	0.3
3								13	4.2	0.7	0.6	0.3
4								12	4.7	0.6	0.5	0.3
5								11	2.6	0.5	0.5	0.3
6								9.9	2.4	0.6	0.4	0.3
7								9.1	1.8	0.7	0.4	0.2
8								8.6	1.7	0.6	0.4	0.3
9								7.4	2.4	0.6	0.4	0.3
10								6.7	2.3	0.5	0.4	0.3
11								25	3.0	0.5	0.3	0.3
12								17	7.4	0.5	0.3	0.3
13								9.1	3.7	0.5	0.3	0.3
14								7.2	2.6	0.5	0.3	0.3
15								5.9	2.0	0.5	0.2	0.3
16								5.1	1.6	0.6	0.2	0.3
17								4.6	1.5	0.8	0.2	0.3
18								4.0	2.0	0.8	0.2	0.3
19								3.6	3.3	0.6	0.3	0.3
20								3.1	4.6	0.7	0.5	0.3
21								2.8	2.1	0.5	0.5	0.3
22								2.7	1.3	0.6	0.4	0.4
23								3.3	1.2	4.4	0.3	0.5
24								4.4	1.2	2.4	0.3	0.4
25								3.0	1.0	1.5	0.2	0.3
26								2.2	0.8	0.8	0.2	0.4
27								1.8	0.8	0.7	0.2	0.4
28								1.6	0.8	0.6	0.3	0.3
29								1.4	1.0	0.5	0.3	0.3
30								1.3	0.8	0.5	0.3	0.3
31								1.4		0.5	0.3	
Mean									2.3	0.8	0.3	0.3
Ac-Ft.									134	50	21	19

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 28

DAILY MEAN DISCHARGE
RUSH CREEK NEAR ADIN

In second-feet

Date	1957			1958								
	Oct	Nov	Dec	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sept.
1			[illegible]	12	42	66	61	23	7.1	7.8	4.6	2.8
2			[illegible]	14	36	56	44	23	7.5	7.8	5.8	2.6
3			6.1	12	42	50	39	24	10	6.1	5.5	2.6
4			6.1	9.4	37	44	42	25	7.8	5.5	5.2	2.8
5			6.1	8.6	41	40	49	26	7.1	5.2	4.9	2.8
6			[illegible]	[illegible]	39	37	45	27	7.5	4.9	4.6	2.8
7			[illegible]	8.2	44	32	42	27	6.4	4.6	4.9	2.6
8			[illegible]	8.2	40	32	42	26	6.8	4.6	4.9	2.8
9			[illegible]	7.8	44	29	45	25	7.8	4.4	4.9	2.8
10			5.2	11	46	22	48	27	7.1	4.6	4.6	2.8
11			4.9	14	43	26	48	44	8.6	4.6	4.1	2.8
12			4.9	15	122	30	47	37	21	4.6	4.1	2.6
13			4.6	16	74	30	50	31	10	4.6	4.1	2.8
14			4.6	15	67	29	50	28	8.2	4.6	4.1	3.0
15			6.4	17	75	33	50	25	6.8	4.6	4.1	3.0
16			27	19	119	27	52	22	6.4	5.2	4.6	3.0
17			20	22	97	28	58	20	6.1	5.8	3.6	2.8
18			17	19	90	25	60	19	5.8	5.5	3.2	2.8
19		13 E	15	16	116	25	57	17	6.8	4.9	3.2	2.8
20		12	24	15	93	36	55	16	6.1	5.5	3.2	2.8
21		10	52	13	7	48	54	15	5.5	4.9	3.2	3.6
22		7.5	33	11	66	39	52	14	5.2	4.9	3.0	3.9
23		7.1	20	12	61	41	48	14	5.5	4.9	2.8	4.1
24		7.1	16	13	274	40	43	13	5.5	6.1	2.6	3.9
25		7.1	19	17	187	47	38	12	5.2	6.1	2.6	3.9
26		6.4	28	21	121	39	34	9.8	5.5	4.9	2.8	3.9
27		6.1	19	19	100	36	31	8.6	5.2	4.6	2.8	3.9
28		6.1	23	49	81	35	28	7.8	5.2	4.6	2.8	3.9
29		5.5	23	153		33	27	7.5	6.1	4.9	2.8	3.9
30		5.8	15	78		37	24 E	7.1	5.5	4.9	2.8	3.9
31			13	52		47		6.8		4.9	2.8	
Mean			14.4	22.8	81.5	36.7	45.4	20.2	7.2	5.2	3.8	3.2
Ac-Ft			884	1400	4528	2259	2703	1245	427	320	236	188

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 29

DAILY MEAN DISCHARGE
ASH CREEK AT ADIN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	44	53	38	72	218	372	558	159	27	26	29	11
2	40	53	37	92	192	308	402	165	29	39	33	11
3	47	54	35	81	230	274	368	165	50	24	34	12
4	44	58	35	63	215	235	417	162	51	20	32	13
5	77	59	35	58	228	213	351	157	38	17	30	10
6	92	56	36	56	203	198	302	153	42	17	29	13
7	79	57	37	54	200	173	248	147	39	15	29	14
8	50	62	36	56	240	173	235	141	40	16	28	14
9	44	59	35	53	233	179	235	133	51	16	28	17
10	43	62	35	64	221	171	247	129	45	16	28	17
11	43	67	33	100	187	151	250	197	48	17	28	17
12	44	68	33	97	607	148	238	207	162	17	27	18
13	52	513	42	114	427	148	242	167	82	17	27	19
14	50	722	37	95	389	156	242	142	52	17	27	19
15	46	192	43	139	427	182	248	127	38	20	26	21
16	45	119	136	148	591	171	255	110	36	31	28	19
17	44	82	170	139	499	173	299	93	30	34	29	12
18	44	79	148	106	448	154	337	92	28	30	28	17
19	46	97	109	76	632	157	311	80	45	26	27	19
20	46	95	170	71	550	202	297	75	114	37	27	19
21	45	79	281	66	450	313	295	68	44	37	27	20
22	45	66	181	57	377	279	297	63	36	34	26	26
23	50	61	99	62	331	236	253	66	27	32	26	32
24	57	58	91	69	794 E	225	231	67	24	37	20	28
25	54	56	151	130	1060 E	250	208	62 E	20	40	14	28
26	53	52	171	150	805 E	207	194	51 E	19	29	17	27
27	52	46	109	133	613	181	179	44 E	17	28	20	26
28	52	42	192	283	487	167	174	40	17	30	19	26
29	51	40	171	710		162	170	38	24	32	21	26
30	51	37	107	570		184	164	36	20	30	21	27
31	51		80	299		381		33		30	17	
Mean	51.0	104	94.0	138	423	207	275	106	43.2	26.2	25.9	19.3
Ac-Ft	3136	6236	5778	8456	23510	12740	16360	6668	2569	1609	1595	1146

E — Estimated NR — No Record

Total Discharge in Acre-Feet 80800

TABLE 30

DAILY MEAN DISCHARGE
BUTTE CREEK NEAR ADIN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.9	2.2	9.5	21	28	7.0	1.2	1.1	0.5	0.7
2			0.9	2.5	8.0	18	18	6.3	1.2	1.2	0.6	0.9
3			0.9	2.0	11	17	21	5.9	1.4	1.1	0.6	0.9
4			1.0	1.8	8.8	14	22	5.5	1.3	1.0	0.6	0.8
5			1.0	1.7	8.0	13	19	4.9	1.2	0.9	0.6	0.8
6			1.0	1.7	7.3	12	17	4.1	1.4	0.8	0.6	0.7
7			0.9	1.6	7.8	10	16	3.7	1.3	1.0	0.6	0.7
8			0.9	1.6	10	11	15	3.4	1.2	1.0	0.6	0.8
9			0.8	1.6	9.5	13	15	3.0	1.6	0.9	0.4	0.9
10			0.8	2.0	8.0	11	16	2.7	1.6	0.8	0.2	0.9
11			0.9	2.1	7.5	10	17	5.9	1.8	0.9	0.2	0.9
12			0.9	2.1	21	10	18	5.7	4.7	0.9	0.2	1.0
13			0.9	2.4	14	9.5	20	3.9	2.2	0.8	0.2	1.0
14			1.0	2.4	16	9.8	21	3.2	1.7	0.8	0.2	1.0
15			1.1	8.5	15	15	21	2.9	1.4	0.7	0.2	1.0
16			5.6	6.8	26	10	22	2.5	1.2	0.9	0.2	1.0
17			3.2	5.1	18	11	23	2.4	1.2	0.9	0.2	1.1
18			4.9	3.4	16	9.8	21	2.4	1.1	0.8	0.2	1.1
19			3.5	2.7	22	11	20	2.1	3.7	0.7	0.3	0.9
20		1.7E	5.9	2.5	22	12	18	2.0	2.2	0.6	0.4	0.9
21		1.6	10	2.2	19	14	17	1.8	1.4	0.7	0.4	0.8
22		1.3	5.9	2.0	18	12	16	1.7	1.2	0.8	0.4	1.0
23		1.2	3.2	2.1	18	12	14	1.7	1.2	0.8	0.3	1.1
24		1.2	2.9	2.4	56	12	13	1.7	1.1	0.8	0.3	1.1
25		1.1	7.2	3.4	46	13	12	1.6	1.1	0.9	0.5	1.0
26		1.1	5.9	4.9	40	12	11	1.4	1.0	0.6	0.5	1.0
27		1.1	3.9	4.1	30	11	9.8	1.3	1.0	0.6	0.6	0.9
28		1.0	6.6	8.2	26	11	9.0	1.2	1.0	0.6	0.6	0.9
29		1.0	5.3	34		11	8.5	1.1	1.3	0.5	0.7	0.9
30		1.0	3.2	25		13	7.8	1.1	1.1	0.5	0.7	0.9
31			2.5	14		20		1.1		0.5	0.7	
Mean			3.0	5.1	18.5	12.6	16.9	3.1	1.5	0.8	0.4	0.9
Ac-Ft.			186	315	1028	772	1004	189	91	50	26	55

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 31

DAILY MEAN DISCHARGE
WILLOW CREEK NEAR ADIN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.8	7.5	5.8	8.0	14	32	44	27	7.0	6.1	4.8	3.8
2	6.1	7.5	5.8	8.0	13	30	39	25	7.5	7.0	5.2	3.8
3	6.5	7.5	5.8	7.8	17	31	39	22	9.4	6.8	5.0	3.8
4	6.1	7.8	5.8	7.3	16	26	40	21	7.5	6.5	5.2	3.8
5	8.0	7.8	5.8	6.8	16	26	39	20	7.3	6.1	5.0	3.8
6	7.3	7.8	5.8	6.8	14	26	38	19	7.8	5.8	4.8	3.8
7	7.0	7.8	5.8	6.8	14	21	37	17	7.3	5.6	4.8	3.8
8	6.5	7.8	5.8	6.8	16	23	41	16	7.5	5.4	5.0	4.2
9	6.3	7.8	5.8	6.5	15	24	42 E	14	9.4	5.0	4.8	4.0
10	6.3	7.8	5.8	7.5	14	24	46 E	14	8.3	5.0	4.8	4.2
11	6.3	8.0	5.8	7.3	14	20	52 E	27	11	5.0	4.8	4.2
12	6.3	8.0	5.6	7.3	48	22	56 E	25	20	5.0	4.6	4.2
13	6.8	22 E	5.6	7.5	29	21	62 E	17	12	4.8	4.6	4.2
14	6.8	25 E	5.8	7.3	27	22	68 E	15	9.4	4.8	4.4	4.2
15	6.5	8.8E	6.1	14	27	25	68 E	14	8.3	5.4	4.4	4.2
16	6.5	7.0E	17	13	41	25	72 E	12	7.8	7.0	4.6	4.2
17	6.3	6.5E	12	11	36	25	75 E	11	7.8	6.5	4.8	4.2
18	6.3	6.5E	12	8.8	33	23	70 E	10	7.5	5.8	4.8	4.2
19	6.3	6.8E	9.9	8.0	44	25	64 E	9.9	12	5.4	4.4	4.2
20	6.5	6.8	10	7.8	44	32	60 E	9.4	9.9	5.2	5.0	4.2
21	6.5	6.3	14	7.8	40	41	58 E	8.8	8.5	5.2	5.0	4.4
22	6.5	6.1	11	7.3	36	34	55	8.5	7.5	5.6	4.4	4.8
23	6.5	6.1	8.3	7.5	33	34	50	8.5	7.3	5.6	4.2	5.0
24	6.8	6.1	8.5	8.0	84	32	46	9.6	7.0	5.8	4.0	4.6
25	7.3	6.1	10	8.3	72	31	42	8.8	6.1	5.6	4.0	4.6
26	7.3	6.1	10	9.1	50	28	39	8.0	6.1	5.2	4.0	4.6
27	7.3	5.8	8.8	9.1	42	29	36	8.0	5.8	5.0	4.0	4.6
28	7.5	5.8	14	12	37	29	35	7.5	5.6	5.0	4.0	4.6
29	7.5	5.8	12	39		30	35	7.3	5.1	5.0	4.0	4.6
30	7.5	5.8	8.8	27		33	30	6.8	5.8	5.0	4.0	4.6
31	7.5		7.8	16		41		6.5		5.0	4.2	
Mean	6.7	8.1	8.4	10.2	31.6	27.9	49.3	14.0	8.4	5.6	4.6	4.2
Ac-Ft	414	481	518	626	1757	1716	2932	861	497	342	281	253

E — Estimated NR — No Record

Total Discharge in Acre-Feet 10680

TABLE 32

DAILY MEAN DISCHAROE
PIT RIVER AT PITTVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			183	775	3330	3870	2310	1100	351	239	82	45 E
2			168	582	2760	3340	2780	1020	159	225	63	44 E
3			160	546	2150	2920	3020	943	156	206	62	46 E
4			167	470	1720	2400	3050	896	418	199	46	53 E
5			227	397	1430	1960	2930	896	490	213	40	62 E
6			197	353	1360	1710	2810	850	326	239	39	49
7			188	282	1330	1570	2550	778	346	235	38 E	57 E
8			179	277	1280	1500	2330	799	521	137	34 E	36 E
9			180	287	1330	1430	2210	562	661	88	34	26 E
10			172	293	1340	1400	2180	321	661	95	42	25 E
11			171	371	1360	1390	2150	999	612	96	53	26 E
12			162	487	1580	1350	2060	1070	661	239	42 E	101
13			162	523	2090	1250	1920	1220	733	166	37	212
14			173	571	2440	1160	1840	1230	717	135 E	49	117
15			197	592	2230	1150	1740	1340	632	115 E	41	78
16			248	784	2440	1190	1690	1550	642	120	36	68
17			523	754	2820	1200	1710	1540	690	105 E	39 E	86
18			1170	745	2880	1270	1790	1410	675	71 E	36 E	122
19			1430	690	2830	1260	1830	1300	430	70 E	40	112
20		581	1360	613	3090	1260	1880	1180	696	83 E	58	61 E
21		451	1140	515	3200	1330	1900	1070	583	68 E	112	52 E
22		430	1280	414	2850	1590	1880	965	375	74	84	55
23		365	1470	373	2450	1760	1870	933	340	81	101	40 E
24		335	1290	359	2440	1700	1860	856	359	85	228	162
25		284	926	349	3700	1600	1820	797	329	131	302 E	205
26		265	818	442	6710	1620	1740	748	254	382	161 E	158
27		253	773	607	6740	1610	1620	675	281	256	155 E	135 E
28		229	835	781	5060	1490	1510	669	462	192	96 E	138 E
29		207	948	1280		1390	1380	675	481	175	66 E	157 E
30		197	860	2840		1370	1230	643	342	163	49 E	148
31			865	3600		1670		566		127	47 E	
Mean			601	708	2676	1668	2053	955	479	155	74.6	89.2
Ac-Ft			36940	43540	148600	102600	122200	58710	28530	9540	4586	5308

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 33

DAILY MEAN DISCHARGE
FALL RIVER NEAR DANA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sept.
1			390	405	637	837	747	795	629	506	475	429
2			388	415	609	783	765	816	626	506	470	424
3			390	407	618	750	744	840	637	506	465	427
4			390	402	606	709	735	856	626	501	465	427
5			392	402	606	691	732	865	606	499	460	427
6			385	410	680	680	715	868	590	496	455	427
7			383	412	712	649	703	856	587	496	450	427
8			378	417	834	646	697	850	598	493	450	427
9			376	417	856	618	697	850	629	491	445	427
10			371	442	844	615	706	862	618	491	442	424
11			368	460	777	598	726	959	590	491	439	427
12			366	475	884	598	753	1080	618	491	439	424
13			361	465	899	593	774	934	587	488	432	427
14			361	457	813	587	798	865	568	491	432	427
15			359	450	813	590	813	831	557	488	429	427
16			366	447	1290	579	828	813	546	493	429	427
17			405	445	1340	584	878	807	541	496	432	427
18			424	442	1150	573	940	807	538	496	429	429
19		412 E	395	437	1200	562	928	804	538	499	427	429
20		410	392	442	1100	584	928	792	541	496	429	429
21		405	504	439	988	768	944	774	536	493	427	429
22		402	579	434	902	759	963	771	533	496	427	432
23		402	462	442	859	723	921	783	533	496	429	434
24		400	429	447	1180	729	871	753	530	496	432	432
25		397	419	447	1950	741	837	726	522	496	432	434
26		395	419	455	1350	735	819	709	520	493	429	434
27		395	412	455	1070	694	801	689	514	491	429	437
28		395	410	478	928	686	795	666	512	488	429	437
29		392	410	626		732	795	654	509	485	429	437
30		390	402	874		792	789	640	512	483	429	439
31			392	718		759		634		478	427	
Mean			403	467	946	676	805	805	566	494	439	429
Ac-Ft			24750	28690	52550	41540	47890	49490	33700	30370	27000	25560

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 34

DAILY MEAN DISCHAROE
BURNEY CREEK NEAR BURNEY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								173 E	92	45	22 E	16
2								180	91	54	21	15
3								199	97	57	21	15
4								195	86	49	20 E	15 E
5								199	85	45	20 E	15 E
6								198	79	42	21	14
7								189	86	38	18	14
8								189	145	35	17	14 E
9								184	224	31	17	13 E
10								187	139	30	17	13 E
11								276	112	28	17	14 E
12								294	213	28	18	14 E
13								218	145	27	19	15
14								194	108	26	19	15
15								190	96	25	19	18
16								186	88	25	20	18
17								182	84	28	20	17
18								177	76	30	21	17
19								182	80	29	21	14
20								172	81	28	21	13
21							237 E	164	72	26	20	15
22							247 E	162	77	29	19	18 E
23							212 E	175	71	40	18	21
24							187 E	169	72	31	17	18 E
25							187 E	147	68	27	17 E	18
26							205 E	138	59	25	16	18
27							166 E	126	54	25	16	18
28							166 E	117	50	24	16	17
29							169 E	110	48	25 E	15	16
30							167 E	106	44	26	15	15
31								100		23 E	16	
Mean								176	94.1	32.3	18.5	15.8
Ac-Ft								10850	5597	1985	1139	938

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 35

DAILY MEAN INFLOW
SHASTA LAKE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5150	4240	3320	9250	24000	26200	42700	13500	9910	6700	5150	3130
2	4810	3900	4880	10200	25200	22700	58400	13600	16600	6700	3820	4310
3	4800	4260	5140	9040	35600	20500	45000	14000	10700	6880	3540	5200
4	5190	5000	5100	8780	42200	18500	36900	13900	9410	5980	5360	5260
5	4190	4960	5260	7900	45000	17000	35000	13800	9720	5700	5450	4950
6	3740	4570	5130	7590	40100	15400	33400	13700	9640	3870	4940	3020
7	5160	4470	4570	7560	62800	14800	28500	13600	8910	5620	5360	2480
8	5060	4540	3010	7410	51600	13900	23600	13200	9380	6850	5370	4060
9	8530	5380	4920	8240	49300	13100	21500	13400	10500	6480	4760	4910
10	10500	4890	5220	10200	40300	13000	20900	14000	9410	6580	3290	5010
11	8670	4880	4500	11200	33000	11800	21100	17000	9510	6460	4130	5230
12	8630	4580	4720	22300	49300	12200	21000	14500	10100	4290	4950	5080
13	11400	18600	5240	19500	35900	12400	20600	13500	9400	3930	5100	2540
14	6630	13900	3660	14600	35500	12200	21200	13100	8940	4970	4870	2440
15	5950	9540	5700	12300	47800	11600	20600	12800	8950	6030	5340	4210
16	5740	8410	13100	11100	68300	10700	20200	13600	8810	5320	3870	5830
17	5330	7740	19200	9780	48200	11000	20900	13800	8830	5670	3080	5280
18	5100	7660	20200	9550	52900	10600	19700	14300	8450	6130	4420	4930
19	5210	6990	14300	8780	61300	10600	19300	14300	8970	4690	4910	4630
20	4770	6890	16000	8310	44400	23500	18900	13500	8260	3770	4910	4080
21	4800	6150	41000	8530	34600	45400	18900	13000	8180	4410	5450	3850
22	4410	6290	24300	8120	30000	37800	18800	13300	7070	7480	5150	4870
23	11700	6140	16500	9320	27000	39600	16700	13100	7210	6200	3720	4090
24	11200	5040	13300	10500	82700	40400	15600	11800	7540	5680	2750	4440
25	8570	5470	11800	9700	71200	35800	15100	11300	7630	6090	4040	4100
26	7510	5080	11200	12500	45000	27800	14700	11900	7270	3870	5530	4540
27	6720	5660	9680	12900	36800	22800	a 14000	11300	7470	4200	5290	5200
28	5680	5250	10800	25300	30600	22500	14000	10400	6870	5130	5000	b 4690
29	4760	5280	9830	67600		29600	13500	10200	4400	6340	5200	4410
30	4600	4380	9100	41200		32400	13200	9880	5710	6120	3880	3660
31	4420		9170	28700		29300		10500		5610	3150	
Mean	6413	6338	10320	14450	44660	21460	23460	13030	8792	5605	4574	4378
Ac-Ft	394300	377100	634400	888400	2480000	1319000	1395000	800900	523200	344600	281200	260900

E — Estimated NR — No Record

Total Discharge in Acre-Feet 9699000

A 23 hour day.
b 25 hour day.

TABLE 36

DAILY CONTENT*
SHASTA LAKE

In thousands of acre-feet

Date	1957			1958								
	Oct	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3479.9	3387.3	3241.3	3405.0	3531.0	3656.8	4280.9	4429.0	4486.8	4464.5	4187.7	3768.2
2	3474.4	3378.4	3234.9	3405.5	3522.6	3629.2	4341.5	4436.9	4494.8	4447.7	4172.7	3755.0
3	3468.9	3370.4	3228.9	3403.7	3520.4	3613.2	4330.8	4448.6	4490.7	4443.9	4157.5	3743.7
4	3464.2	3367.4	3223.0	3401.3	3524.4	3605.5	4299.6	4461.2	4486.8	4438.6	4146.0	3732.9
5	3457.5	3360.8	3217.5	3396.9	3534.0	3608.1	4283.8	4471.5	4486.3	4431.9	4133.6	3720.9
6	3450.3	3353.5	3211.8	3392.2	3534.2	3617.6	4269.4	4480.1	4487.7	4422.3	4120.7	3705.4
7	3445.3	3346.0	3205.6	3386.8	3588.1	3626.9	4203.8	4487.1	4486.8	4415.2	4108.7	3690.5
8	3440.3	3341.6	3199.5	3381.6	3610.9	3638.7	4147.4	4491.3	4488.6	4411.4	4096.7	3677.8
9	3442.6	3340.4	3195.0	3377.9	3628.4	3650.3	4120.7	4496.6	4489.8	4403.6	4083.7	3666.1
10	3448.8	3337.0	3189.3	3377.9	3628.4	3658.9	4110.1	4502.2	4489.8	4396.0	4067.6	3654.2
11	3451.3	3329.9	3182.4	3380.4	3613.2	3666.6	4114.0	4511.1	4490.4	4389.0	4053.4	3643.4
12	3453.7	3322.7	3177.5	3405.0	3658.1	3674.9	4128.9	4513.8	4493.6	4377.7	4040.4	3632.5
13	3462.2	3343.8	3173.5	3422.5	3619.6	3688.2	4146.0	4512.6	4492.7	4366.4	4027.8	3618.6
14	3461.2	3354.5	3166.6	3430.2	3618.6	3700.5	4164.8	4510.2	4491.3	4356.0	4014.8	3604.5
15	3456.5	3353.0	3166.2	3433.4	3649.8	3711.4	4186.3	4507.5	4491.0	4345.2	4002.8	3594.8
16	3451.3	3351.6	3180.1	3435.1	3709.3	3721.9	4212.1	4506.7	4489.2	4339.2	3988.0	3588.9
17	3445.8	3350.3	3206.8	3434.1	3699.7	3730.0	4239.4	4506.7	4488.0	4330.8	3971.9	3582.2
18	3439.1	3348.4	3234.6	3433.1	3726.6	3739.2	4264.5	4506.7	4487.1	4323.6	3958.3	3574.6
19	3433.4	3343.0*	3249.0	3434.9	3790.5	3747.9	4291.0	4507.0	4487.4	4312.9	3945.8	3566.5
20	3426.0	3335.3	3267.0	3430.4	3762.1	3783.1	4313.1	4505.8	4487.7	4300.8	3933.0	3557.3
21	3418.8	3326.0	3335.3	3427.2	3683.0	3862.8	4330.5	4502.8	4487.7	4290.1	3921.4	3548.2
22	3411.1	3316.8	3370.6	3423.0	3615.5	3927.9	4342.1	4501.6	4485.4	4285.8	3909.5	3540.3
23	3418.3	3307.4	3388.0	3423.0	3577.2	3996.2	4351.6	4499.3	4483.6	4278.3	3894.1	3531.5
24	3423.5	3296.3	3398.1	3421.8	3697.9	4057.0	4358.3	4496.3	4482.1	4269.7	3877.8	3522.9
25	3426.5	3286.2	3405.2	3417.8	3771.7	4107.6	4364.1	4490.1	4480.4	4262.0	3862.8	3514.8
26	3425..	3277.3	3411.1	3420.3	3761.1	4137.0	4371.9	4487.1	4478.3	4250.0	3851.3	3505.8
27	3422.2	3269.6	3409.6	3423.5	3734.0	4158.1	4384.7	4484.5	4476.5	4238.8	3839.8	3499.2
28	3417.3	3263.8	3410.1	3450.0	3695.2	4179.2	4395.1	4481.5	4473.3	4228.6	3827.0	3492.0
29	3410.1	3258.1	3410.9	3558.8		4216.3	4405.3	4481.0	4465.6	4220.3	3814.6	3482.7
30	3403.0	3250.7	3409.4	3573.3		4248.5	4415.5	4481.8	4460.3	4211.2	3799.7	3473.4
31	3395.4		3406.7	3558.3		4242.2		4483.9		4200.4	3784.6	
Monthly Change	-89.5	-144.7	+156.0	+151.6	+136.9	+547.0	+173.3	+68.4	-23.6	-259.9	-415.8	-311.2

Annual gain or loss in storage: 1957 Calendar Year +226,600; 1957-58 Water Year -11,500 acre-feet
Differences in storage from 1956-57 to 1957-58 Water Year: Maximums -15,100; Minimums -11,500 acre-feet

* Storage at end of day.

TABLE 37

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT KESWICK

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb	Mar.	Apr.	May	June	July	Aug.	Sept
1	7610	8520	8160	10200	39100	45900	25100	8300	9470	10200	11800	11300
2	7600	8520	8190	10300	31200	36600	30200	8380	13200	10200	11800	11300
3	7600	8520	8190	10300	38300	28800	51500	8320	13800	8990	11800	11400
4	7610	6630	8200	10300	42700	22900	54000	8300	11500	8920	11800	11400
5	7620	8510	8200	10300	42700	15300	45100	8620	9970	8930	11800	11300
6	7620	8500	8240	10300	42000	10600	41500	8810	9520	8920	11800	11300
7	7640	8500	7890	10300	40000	10100	62300	10200	9520	9410	11900	11400
8	7640	6960	6300	10300	43100	8050	53400	11400	9520	9970	11800	11400
9	7640	6300	7210	10300	43100	8030	37100	11500	9520	10300	11900	11400
10	7650	6790	8220	10300	42600	8050	28000	11600	9520	10300	11800	11300
11	7640	8440	8220	10300	42600	8050	20000	12900	9520	10300	11900	11400
12	7650	8470	7320	12100	29700	8060	13100	14400	9520	10200	11900	11300
13	7720	9390	7270	12000	56800	6210	12400	15000	9530	10300	11900	10300
14	7540	10100	7310	10800	38200	6180	11500	15000	9530	10300	11900	10200
15	8070	10300	6340	10300	33600	6180	9390	14900	9530	10300	11900	9020
16	8090	8720	6360	10300	40100	6120	7000	14800	9530	10300	11900	9040
17	8090	8650	6420	10300	54300	6160	7030	14800	9540	10300	11800	9020
18	8100	9390	6630	10300	44500	6150	7000	14700	9530	10300	11900	9050
19	8090	8780	7360	8800	31700	6160	7000	15000	8380	10300	11900	9040
20	8090	10400	7360	9440	59400	6240	7000	14900	8570	10300	11900	9040
21	8100	10800	8450	10300	75800	6270	10900	14900	8560	10200	11900	9040
22	8110	10900	7690	10300	65200	6340	12800	14900	8570	10200	11900	9060
23	8140	10900	7600	10300	46600	6350	12800	14900	8570	10200	11900	9050
24	8080	10800	8570	10800	25300	10800	12700	14900	8570	10300	11900	9040
25	6760	10600	8590	12400	35500	12100	12700	14900	8560	10200	11900	8980
26	8500	9760	9410	12400	51100	12100	10400	13900	8600	10200	11900	8930
27	8510	9390	10200	12300	50900	12000	8080	12800	8570	10300	11900	8940
28	8510	8170	10200	12500	50700	12000	8270	12700	8570	10800	11900	8980
29	8510	8190	10200	15300		12200	8320	10500	8570	10800	11900	8990
30	8510	9190	10200	34800		17300	8320	9540	8630	11200	11900	8980
31	8510		10200	37300		32500		9500		11200	11900	
Mean	7993	8970	8087	12460	44170	12900	21180	12430	9483	10150	11870	10030
AcrFt	489000	533700	497300	766100	2453000	793000	1261000	764200	564300	624100	729900	596800

E — Estimated NR — No Record

Total Discharge in Acre-Feet 10070000

TABLE 38

DAILY MEAN DISCHARGE
SACRAMENTO RIVER NEAR REDDING

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7490	8380	7950	NR	NR	45700	25900	7140	8240	8600	10300	10000
2	7460	8350	7980	NR	NR	38500	30400	7200	11200	8760	10200	9910
3	7460	8380	7980	NR	NR	30000	48800	7170	12200	7660	10300	9980
4	7460	6440	8000	NR	NR	23600	52000	7110	10200	7570	10300	10000
5	7430	8320	7950	NR	NR	15600	45000	7460	8760	7570	10300	10000
6	7430	8260	8030	NR	NR	10600	39400	7540	8290	7570	10300	10000
7	7430	8240	7830	NR	NR	9810	58000	8700	8290	7830	10300	10000
8	7430	6970	6130	NR	NR	7920	51500	9880	8290	8440	10300	10000
9	7520	6210	6860	NR	NR	7690	36200	10000	8440	8760	10300	10000
10	7600	6490	8000	NR	NR	7660	27100	10100	8320	8800	10300	10000
11	7460	8320	7950	NR	NR	7660	20100	11100	8290	8760	10300	10000
12	7460	8350	7170	NR	NR	7630	13200	12600	8290	8760	10300	10000
13	7860	9530	7020	NR	NR	6130	11900	13300	8320	8800	10300	9110
14	7200	10200	7020	NR	NR	5870	11400	13300	8350	8800	10400	9050
15	8240	10200	6230	NR	NR	5870	9430	13100	8290	8800	10400	8030
16	8320	8800	6390	NR	NR	5820	6880	13000	8290	8800	10300	7890
17	8440	8480	6470	NR	NR	5820	6910	13000	8290	8830	10300	7890
18	8440	9180	6600	NR	NR	5820	6880	12900	8290	8830	10400	7860
19	8380	9750	7200	NR	NR	5820	6780	13100	7340	8830	10300	7860
20	8410	10200	7230	NR	NR	6050	6570	13000	7310	8800	10400	7890
21	8410	10700	8440	NR	NR	6160	9590	12900	7230	8760	10300	7890
22	8440	10800	7740	NR	NR	6490	11600	13000	7260	8800	10400	7890
23	8540	10800	7370	NR	NR	6310	11300	13000	7230	8830	10400	7920
24	9370	10700	8380	NR	NR	9810	11200	12900	7260	8860	10400	7890
25	6290 E	10600	8380	NR	NR	11900	11200	13000	7310	8920	10400	7890
26	8180 E	9650	9050	NR	NR	11800	9340	12200	7230	8860	10400	7830
27	8350	9400	10100	NR	NR	11700	7310	11100	7200	8860	10500	7830
28	8380	7980	10300	NR	NR	11900	7260	11100	7230	9300	10500	7860
29	8380	7980	10200	NR		12200	7260	9300	7230	9400	10500	7860
30	8350	7980	10200	NR		15600	7140	8320	7230	9720	10500	7830
31	8380		10200	NR		32400		8240		9840	10500	
Mean	7935	8855	7947			12770	20250	10830	8190	8701	10360	8805
Ac-Ft.	487900	526900	488600			785100	1205000	666000	487300	535000	636900	524000

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 39

DAILY MEAN DISCHARGE
CLEAR CREEK NEAR IGO

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	143	191	176	603	1840	2240	4560	731	321	141	71	39
2	118	182	173	758	3200	1950	7880	731	499	143	71	38
3	102	173	167	675	5690	1750	5060	709	392	136	71	38
4	95	167	167	620	7400	1560	3790	692	325	125	67	38
5	100	158	179	570	6920	1430	3650	670	297	120	63	38
6	97	152	164	523	5050	1290	4660	659	301	115	60	37
7	100	149	158	489	9610	1180	3470	631	313	113	56	37
8	81	152	152	465	6600	1100	2700	614	305	107	55	40
9	302	143	146	494	5020	1010	2240	598	313	107	54	46
10	714	158	146	670	3970	969	2070	598	289	105	54	46
11	659	161	141	625	3400	908	1990	648	297	105	53	46
12	492	155	138	2280	5360	878	1910	609	265	100	50	46
13	1150	1340	138	1720	3970	901	1840	543	246	95	49	47
14	670	1590	136	1150	3970	863	1850	514	231	90	49	47
15	460	758	213	961	4450	803	1750	494	222	92	47	46
16	337	548	682	786	5420	758	1660	480	213	95	48	44
17	269	450	1160	709	4450	720	1570	470	200	97	50	43
18	228	402	1690	642	9210	692	1480	465	197	100	52	41
19	200	353	1010	598	14100	664	1330	450	206	97	50	39
20	185	325	872	553	7980	1850	1250	436	206	90	48	38
21	170	293	3130	514	5000	4430	1190	421	188	87	47	38
22	161	269	1850	480	3970	4740	1160	416	182	87	46	39
23	608	253	1180	519	3280	4470	1070	436	176	115	45	49
24	697	242	901	736	11900	5740	999	392	173	113	44	48
25	480	228	747	917	7690	3770	923	372	167	102	44	46
26	377	219	670	1920	4920	2720	870	353	161	88	43	44
27	321	206	609	1420	3710	2160	819	345	155	81	43	41
28	277	197	747	2140	3000	1860	797	341	152	78	41	39
29	246	188	747	5590		4090	775	325	146	76	40	38
30	222	182	692	4130		3450	753	305	146	74	40	37
31	206		631	2400		2390		321		72	40	
Mean	331	333	636	1182	5753	2043	2202	509	243	101	51.3	41.8
Ac-Ft.	20360	19800	39100	72710	319500	125600	131000	31280	14450	6240	3160	2490

E — Estimated NR — No Record

Total Discharge in Acre-Feet 785700

TABLE 40

DAILY MEAN DISCHARGE
LITTLE COW CREEK NEAR INGOT

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41	30	36	138	485	395	1200	196	87	43	18	8.4
2	26	29	36	312	818	348	1210	203	95	47	19	8.4
3	25	29	36	178	964	313	1300	211	108	42	18	8.8
4	25	28	35	142	844	280	1510	196	89	36	17	8.8
5	100	28	36	125	691	258	893	199	83	36	15	9.2
6	55	28	34	114	611	241	927	196	80	35	14	8.8
7	51	28	32	104	952	221	580	189	81	32	13	9.6
8	33	29	32	104	770	223	454	185	101	31	14	15
9	35	28	30	99	972	201	385	185	241	31	15	14
10	38	37	31	983	725	192	351	192	109	30	14	13
11	31	38	30	567	653	178	345	298	96	28	12	13
12	29	32	29	1120	2030	180	335	252	358	26	11	13
13	306	1480	28	539	833	241	329	189	133	25	12	13
14	163	652	29	326	1460	299	326	167	104	23	12	12
15	63	176	129	292	1520	365	313	161	90	24	10	11
16	42	111	579	234	1840	255	316	156	84	24	11	9.2
17	34	87	827	201	997	319	365	158	78	28	14	10
18	31	80	550	176	996	226	351	156	74	27	12	9.2
19	28	77	289	161	1330	201	329	154	86	25	12	9.6
20	27	65	537	150	812	917	322	144	77	25	13	9.6
21	27	57	1250	136	625	1440	319	134	68	25	12	9.6
22	27	50	431	125	534	749	313	142	65	24	11	13
23	88	47	252	131	521	1110	272	152	61	29	11	18
24	105	45	196	594	1850	1300	244	133	63	26	11	13
25	57	42	161	542	1130	866	223	122	54	23	11	13
26	46	41	211	927	710	576	213	114	52	22	11	12
27	39	38	152	450	550	462	206	109	50	19	11	13
28	36	38	375	1170	458	514	196	101	47	17	11	12
29	32	36	255	1710		869	199	95	45	18	12	10
30	32	36	187	1050		1130	194	90	43	18	12	10
31	32		154	715		662		93		17	10	
Mean	55.0	117	225	439	953	501	484	164	93.4	27.6	12.9	11.2
Ac-Ft	3380	6986	13860	27000	52920	30810	28800	10060	5558	1698	791	669

E — Estimated NR — No Record

Total Discharge in Acre-Feet 182500

TABLE 41

DAILY MEAN DISCHARGE
SALT CREEK NEAR BELLA VISTA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1			1.5E	18	49	30	287	2.0	0.2	0.1	0	0
2			1.5E	33	108	23	226	1.9	0.2	0.1	0	0
3			1.3E	21	245	18	219	1.9	1.2	0.1	0	0
4			1.3E	17	322	15	178	1.9	0.8	0.1	0	0
5			1.2E	14	198	13	226	1.7	0.5	0.1	0	0
6			1.2E	11	118	11	284	1.5	0.4	0.1	0	0
7			1.0E	9.8	150 E	10	136	1.3	0.4	0.1	0	0
8			0.9E	8.9	NR	10	74	1.1	0.8	0	0	0
9			0.7E	20	NR	8.9	46	1.0	22	0	0	0
10			0.7E	98	NR	8.1	31	1.0	3.6	0	0	0
11			0.7E	81	NR	7.8	24	11	6.4	0	0	0
12			0.7E	336	NR	8.1	20	8.9	21	0	0	0
13			0.6E	191	NR	16	17	2.7	4.8	0	0	0
14			0.6E	73	NR	23	13	1.7	2.6	0	0	0
15			40 E	45	NR	25	12	1.3	1.6	0	0	0
16			168 E	28	421 E	21	9.8	1.1	1.1	0	0	0
17			210	20	152	17	10	1.0	0.8	0	0	0
18			147	15	192	15	8.5	0.8	0.5	0	0	0
19			71	13	358	13	7.4	0.7	0.6	0	0	0
20			102	11	143	88	6.0	0.7	0.9	0	0	0
21			233	8.5	77	176	5.4	0.6	0.6	0	0	0
22		4.3E	112	7.4	65	235	4.6	0.7	0.4	0	0	0
23		4.1E	49	18	89	162	4.1	1.7	0.4	0	0	0
24		3.8E	28	171	440	265	3.8	1.3	0.3	0	0	0
25		3.1E	19	155	222	332	3.6	1.0	0.3	0	0	0
26		2.7E	20	207	100	127	2.9	0.7	0.2	0	0	0
27		2.4E	15	104	61	71	2.7	0.5	0.2	0	0	0
28		2.2E	70	263	41	52	2.9	0.4	0.2	0	0	0
29		1.7E	60	454		135	3.4	0.4	0.2	0	0	0
30		1.6E	35	187		187	2.4	0.3	0.1	0	0	0
31			22	84		133		0.3		0	0	
Mean			45.6	87.8		72.8	62.4	1.7	2.4	0.0	0	0
Ac-Ft			2806	5400		4475	3710	105	145	1	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 42

DAILY MEAN DISCHARGE
COW CREEK NEAR MILLVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	226	164	189	635	1980	1740	6180	700	449	221	98	66
2	177	155	186	1450	3770	1500	5520	710	416	249	103	54
3	172	153	181	870	5540	1340	4140	730	509	226	101	54
4	157	148	181	674	5790	1200	2860	730	441	205	91	59
5	367	146	184	575	3860	1100	3790	730	392	187	82	61
6	366	148	178	516	2450	1030	4830	725	371	180	80	61
7	370	148	175	476	3300	946	2380	710	367	167	80	67
8	243	148	173	454	3100	946	1710	710	432	153	86	71
9	240	148	170	432	3500	862	1400	705	2040	144	86	78
10	519	155	165	3540	3080	817	1240	725	670	146	83	77
11	303	206	162	2630	2510	778	1170	1050	545	137	74	71
12	223	177	162	5210	12200	756	1120	1310	915	137	71	78
13	2420	5620	160	2930	3860	1050	1040	898	650	131	67	83
14	1360	5260	162	1480	6570	1440	1040	784	522	122	71	77
15	482	1140	239	1290	7500	1740	1020	740	461	131	68	70
16	334	674	2940	1040	6270	1130	1000	720	416	120	72	67
17	265	498	4010	822	3690	1200	1070	710	389	135	86	70
18	231	424	2720	690	4550	958	1130	700	360	153	88	66
19	206	392	1350	613	8870	839	1050	680	367	135	76	64
20	187	349	2220	565	3760	3450	1020	665	403	124	74	66
21	180	309	4640	516	2540	5630	1010	630	335	116	72	64
22	172	278	2250	467	2040	6850	1010	620	311	120	72	68
23	192	258	1210	662	2340	3990	916	690	302	170	71	112
24	420	246	940	5100	10400	3740	839	670	298	153	74	101
25	289	237	738	3000	6370	4260	790	590	282	146	71	89
26	253	225	912	6040	3500	2150	751	558	238	140	66	83
27	217	211	702	2240	2550	1660	725	527	224	124	63	77
28	200	205	2570	4950	2060	1430	705	483	221	114	64	80
29	187	200	1420	7910		3650	700	466	221	114	67	74
30	174	192	947	4590		4770	690	445	224	107	68	70
31	172		744	3060		2590		436		96	67	
Mean	365	620	1064	2111	4570	2114	1762	695	459	148	77.2	72.6
Ac-Ft.	22420	36920	65410	129800	253800	130000	104800	42740	27310	9130	4740	4320

E — Estimated NR — No Record

Total Discharge in Acre-Feet 831400

TABLE 43

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT BALLS FERRY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8220	8940	8590	NR	NR	47400	38200	9180	9590	9180	10700	10500
2	8130	8820	8590	NR	NR	39900	43200	9240	11800	9830	10800	10300
3	8100	8880	8530	NR	NR	32600	54100	9210	14100	9120	10800	10300
4	8100	7020	8560	NR	NR	26900	55200	9210	12300	8560	10800	10300
5	8380	8800	8530	NR	NR	20200	52200	9360	10500	8470	10800	10400
6	8380	8820	8590	NR	NR	14800	47500	9560	9710	8350	10800	10400
7	8410	8820	8530	NR	NR	13400	58800	10400	9740	8500	10800	10300
8	8160	7830	6830	NR	NR	11400	54700	11500	9830	9090	10800	10300
9	8440	6730	7220	NR	NR	10600	40800	11900	12200	9390	10800	10300
10	9680	6860	8470	NR	NR	10500	32900	12100	10600	9390	10800	10200
11	9300	8910	8500	NR	NR	10300	26400	13200	10300	9360	10800	10200
12	8760	8910	7830	NR	NR	10300	20500	15300	11000	9390	10800	10200
13	14500	16300	7630	NR	NR	9450	17600	15400	10500	9390	10700	10000
14	10600	21600	7660	NR	NR	9650	16800	15200	10100	9390	10700	9680
15	10000	13100	7220	NR	NR	9980	14900	15000	9890	9390	10700	9300
16	9590	10800	11400	NR	NR	8940	12600	14900	9740	9390	10800	8850
17	9340	9860	12900	NR	NR	8740	12100	14800	9680	9450	10800	8650
18	9270	10200	13300	NR	NR	8440	11500	14600	9590	9480	10800	8440
19	9180	10800	10700	NR	NR	8190	11100	14800	8850	9450	10800	8330
20	9060	11100	11600	NR	NR	12100	10600	14800	8620	9480	10800	8220
21	9030	11500	17700	NR	NR	20500	12500	14500	8470	9340	10700	8160
22	9030	11500	14200	NR	NR	23500	14500	14600	8380	9390	10900	8130
23	9300	11500	10900	NR	NR	18000	14200	14800	8410	9510	10800	8130
24	11000	11400	11200	NR	NR	21900	13900	14800	8440	9480	10800	8100
25	8300	11400	10700	NR	NR	24100	13800	14700	8440	9500	10900	8080
26	9240	10400	11200	NR	NR	19300	12000	14200	8380	9480	10900	8020
27	9210	10200	12100	NR	NR	17800	9860	12800	8300	9420	10900	7960
28	9120	8710	15300	NR	NR	17000	9360	12600	8270	9830	10900	7910
29	9060	8680	13800	NR		20400	9300	11200	8240	9920	10900	7910
30	9000	8620	12800	NR		26800	9210	9890	8270	10200	10900	7880
31	9000		12300	NR		35300		9590		10400	10900	
Mean	9190	10230	10430			18340	25010	12690	9741	9372	10810	9182
Ac-Ft	565100	608900	641400			1127000	1488000	780200	579600	576200	664700	546300

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 44

DAILY MEAN DISCHARGE
NORTH FORK COTTONWOOD CREEK NEAR IGO

In second-feet

Date	1957			1958								
	Oct	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	107	121	94	323	653	1540	1190	308	118	50	20	13
2	104	121	89	522	1310	1630	1720	303	177	48	22	12
3	99	121	86	391	1480	1670	1220	298	163	46	20	12
4	99	121	84	359	2280	1720	1120	289	146	45	19	13
5	86	121	84	318	1710	1780	1330	284	136	43	19	13
6	60	121	86	275	1530	1780	1650	279	121	43	18	13
7	58	118	89	219	3700	1950	1160	253	127	41	19	13
8	56	121	89	203	2760	1940	943	177	124	40	19	15
9	124	102	94	207	2310	1830	873	173	124	36	19	15
10	170	102	96	396	1570	1750	743	181	121	36	18	15
11	121	104	96	266	1380	1660	690	303	149	35	18	16
12	426	102	96	1170	2810	1580	682	289	118	32	17	16
13	925	495	99	569	1560	1630	660	266	110	30	17	17
14	223	313	102	491	2470	1450	660	207	104	30	18	16
15	170	203	143	542	1780	1330	653	195	94	30	18	16
16	146	181	240	466	2500	1150	624	195 E	91	30	17	15
17	133	170	382	413	1810	1030	603	192 E	89	30	19	14
18	124	177	400	359	3810	934	582	188 E	84	30	19	13
19	121	166	253	313	6030	832	555	184 E	79	29	19	13
20	118	156	244	279	3610	943	542	177	77	28	18	13
21	115	133	856	257	2190	1340	529	173	74	29	18	13
22	113	127	529	231	1590	1410	516	166	72	29	17	15
23	207 E	121	408	293	1450	1440	503	170	70	33	17	19
24	235	121	385	601	2950	1590	454	153	68	35	17	16
25	181	113	364	549	3240	1410	385	124	66	28	16	16
26	159	110	348	902	1920	1410	374	121	64	26	15	15
27	146	107	328	454	1570	1390	359	118	60	26	15	14
28	136	104	596	926	1420	1420	348	118	56	24	14	14
29	130	102	485	1880		1640	328	113	54	23	14	13
30	127	96	396	997		1360	318	113	52	23	14	13
31	124		343	840		1140		113		23	13	
Mean	166	146	258	516	2264	1474	744	201	99.6	33.3	17.5	14.4
Ac-Ft.	10200	8668	15840	31760	125700	90600	44260	12340	5927	2045	1077	855

E — Estimated NR — No Record

Total Discharge in Acre-Feet 349300

TABLE 45

DAILY MEAN DISCHARGE
SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								432	232	85	21	4.7
2								462	244	83	21	4.7
3								514	244	79	21	4.3
4								507	208	73	20	4.3
5								527	186	71	17	4.3
6								541	186	69	16	4.3
7								488	186	67	13	4.7
8								475	193	63	12	4.7
9								494	212	61	11	4.7
10								527	193	59	11	5.5
11								619	172	56	10	5.9
12								534	175	54	9.4	6.8
13								432	193	51	8.9	6.8
14								369	146	46	8.3	6.8
15								343	140	45	7.8	6.3
16							1050 E	343	149	43	6.8	6.3
17							1070	369	149	45	7.3	5.9
18							1040	408	149	43	8.9	5.5
19							886	408	159	40	9.4	5.1
20							849	375	169	40	8.9	4.3
21							840	369	143	40	7.8	4.0
22							858	386	134	36	7.3	4.3
23							721	420	128	43	6.8	5.1
24							604	369	123	40	5.9	5.9
25							520	322	115	42	5.1	6.3
26							475	298	107	36	4.7	5.9
27							444	298	102	30	4.7	5.5
28							432	288	97	28	4.7	5.1
29							432	266	94	25	4.7	4.7
30							432	244	90	24	4.7	4.3
31								236		23	4.7	
Mean								408	161	49.7	10	5.2
Ac-Ft								25120	9557	3055	614	311

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 46

DAILY MEAN DISCHARGE
DRY FORK SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							662	77	21	5.6	0	0
2							1040	73	42	7.0	0	0
3							456	70	48	6.5	0	0
4							321	65	28	5.6	0	0
5							1800	61	21	4.3	0	0
6							2340	56	21	3.9	0	0
7							767	53	36	3.6	0	0
8							550	51	35	3.2	0	0
9							429	48	55	3.2	0	0
10							373	46	42	2.9	0	0
11							338	85	28	2.6	0	0
12							300	63	25	2.6	0	0
13							270	52	21	1.7	0	0
14							247	45	18	1.3	0	0
15							220	41	15	1.5	0	0
16							200	39	13	1.5	0	0
17							192	36	12	2.3	0	0
18							177	34	10	3.9	0	0
19							150	33	15	3.6	0	0
20							141	31	20	2.3	0	0
21							131	30	15	1.5	0	0
22							124	30	12	1.3	0	0
23							116	44	10	8.0	0	0
24							109	33	10	34	0	0
25							103	29	8.5	9.0	0	0
26							97	25	7.5	2.6	0	0
27							93	22	6.0	0.9	0	0
28						238 E	88	23	5.6	0.1	0	0
29						766	85	22	6.0	0.1	0	0
30						529	79	20	5.6	0	0	0
31						305		19		0	0	
Mean							400	43.7	20.4	4.1	0	0
Ac-Ft							23800	2690	1214	251	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 47

DAILY MEAN DISCHARGE
COTTONWOOD CREEK NEAR COTTONWOOD

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	282	310	310	1420	3900	5340	5880	1450 E	560 E	310 E	185 E	72
2	260	295	295	2550	7340	4660	7960	1450 E	640 E	310 E	180 E	72
3	230	285	290	1660	8090	4190	6370	1450 E	780 E	305 E	210 E	75
4	216	280	285	1390	12300	3700	4900	1400 E	660 E	300 E	190 E	88
5	220	270	300	1220	9050	3290	5360	1400 E	540 E	280 E	170 E	99
6	196	262	295	1100	6300	2820	10900	1350 E	500 E	260 E	150	95
7	196	258	280	946	9480	2590	6800	1350 E	540 E	250 E	146	92
8	192	262	266	858	8330	2410	4500	1300 E	660 E	230 E	125	92
9	312	250	262	792	7710	2240	3980	1250 E	720 E	220 E	110	106
10	2320	234	254	3890	6670	2140	3720	1200 E	740 E	210 E	106	92
11	1320	242	250	2230	4880	2050	3660	1400 E	660 E	210 E	106	88
12	640	254	246	3540	15600	1940	3600	1500 E	600 E	200 E	106	88
13	7280	577	238	3950	8720	2280	3490	1300 E	540 E	190 E	110	78
14	2860	3590	234	2430	11700	2240	3370	1150 E	500 E	190 E	118	88
15	1310	1880	280	2340	11500	2490	3190	1100 E	470 E	190 E	114	81
16	858	1190	1310	2200	9840	1960	3010	1060 E	460 E	195 E	106	85
17	598	935	1760	1940	8320	1800	2950	1040 E	450 E	200 E	106	88
18	486	869	3310	1800 E	13900	1680	2800 E	1030 E	430 E	195 E	110	92
19	418	836	1550	1600 E	34400	1590	2700 E	1020 E	420 E	190 E	106	92
20	376	770	1330	1500 E	14400	3160	2600 E	1000 E	650 E	180 E	81	103
21	345	652	3830	1400 E	10200	6430	2500 E	1000 E	570 E	175 E	78	106
22	320	564	4160	1300 E	8550	7900	2400 E	980 E	500 E	170 E	88	110
23	330	508	2210	1400 E	7560	6130	2200 E	1100 E	460 E	190 E	88	106
24	556	465	1660	3000 E	20000	6430	2000 E	1000 E	420 E	270 E	95	121
25	479	437	1420	4000 E	19300	5420	1800 E	900 E	410 E	220 E	99	110
26	472	406	1410	8500 E	10400	4020	1700 E	750 E	380 E	210 E	95	114
27	442	382	1360	3700 E	7780	3510	1650 E	620 E	370 E	200 E	92	81
28	406	355	3940	5000 E	6320	3050	1600 E	630 E	350 E	195 E	88	81
29	365	340	3350	8410		4670	1550 E	640 E	340 E	190 E	78	85
30	345	325	2210	9640		6190	1500 E	550 E	320 E	190 E	72	88
31	330		1700	5560		3930		520 E		190 E	75	
Mean	805	609	1310	2944	10800	3621	3688	1093	521	220	116	92.3
Ac-Ft	49510	36260	80520	181000	600100	222600	219500	67220	31020	13520	7110	5490

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1514000

TABLE 48

DAILY MEAN DISCHARGE
BATTLE CREEK NEAR COTTONWOOD

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	268	247	271	422	800	1080	2020	742	687	461	326	241 E
2	271	244	271	764	1130	981	1890	754	725	494	326	241 E
3	271	247	264	518	1580	936	1440	795	766	471	322	235 E
4	268	247	264	441	1550	872	1100	825	692	452	315	228 E
5	486	240	268	412	1190	830	1030	854	660	443	307	225 E
6	578	240	268	393	935	801	1300	883	639	447	296	238
7	512	244	268	371	929	754	981	866	624	443	292	241
8	342	247	261	371	960	760	889	866	666	429	288	241
9	367	247	268	371	1010	731	842	878	825	424	276	241
10	465	254	250	917	960	713	813	974	697	410	279	238
11	354	289	261	562	898	687	830	1260	645	401	260	247
12	309	264	257	853	1980	687	830	1390	2220	396	260	241
13	1830	417	257	728	1450	719	825	1010	1060	396	263	244
14	762	1200	257	534	1780	895	854	907	807	410	254	241
15	441	545	315	630	1890	866	842	913	748	387	254	241
16	350	431	1170	584	1550	708	830	919	736	387	260	244
17	321	375	692	507	1360	676	878	968	713	387	266 E	247
18	296	350	1080	455	1640	645	878	1020	708	382	269 E	238
19	282	354	534	431	2570	634	860	1030	692	360	266 E	247
20	275	346	518	422	1500	1320	842	1030	660	364	260 E	241
21	275	329	907	403	1220	2480	872	981	645	369	257 E	247
22	268	312	693	384	1120	1890	913	994	650	373	254 E	247
23	268	304	479	431	1160	1320	813	1050	660	396	250 E	272
24	304	308	436	1570	4390	1180	742	981	639	382	250 E	260
25	289	304	408	1040	2990	1050	713	930	587	378	247 E	257
26	282	304	518	2180	1740	907	697	895	561	373	247 E	254
27	271	292	450	843	1380	848	687	872	545	345	244 E	269
28	261	289	1070	676	1200	795	692	795	513	356	244 E	269
29	254	278	699	1420		1160	719	754	494	353	244 E	260
30	250	275	523	1420		1510	719	725	484	345	241 E	250
31	250		460	954		961		725		334	241 E	
Mean	388	334	472	710	1531	981	945	922	725	398	270	246
Ac-Ft.	23840	19880	29030	43650	85020	60290	56210	56700	43140	24490	16580	14650

E — Estimated NR — No Record

Total Discharge in Acre-Feet 473500

TABLE 49

DAILY MEAN DISCHARGE
PAYNES CREEK NEAR RED BLUFF

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	8.6	7.4	67	221	254	1480	55	28	10	3.0	0.1
2	9.8	8.6	7.4	289	526	209	1380	53	28	11	4.8	0.1
3	8.0	8.0	7.4	189	1170	177	996	50	29	10	5.2	0.1
4	6.8	8.0	7.4	119	1110	151	561	44	20	9.7	5.2	0.1
5	10	8.0	7.4	87	708	131	460	38	24	9.7	5.5	0.1
6	43	8.0	7.4	66	387	117	970	37	23	9.0	5.2	0.1
7	63	8.0	7.4	55	414	108	476	37	22	7.9	2.4	0.1
8	29	8.0	6.8	50	379	104	343	37	24	7.9	0.3	0.1
9	40	8.0	6.8	49	494	94	279	35	33	7.9	0.3	0.2
10	177	10	6.8	413	398	85	235	32	24	7.9	0.3	0.2
11	61	12	6.8	191	322	81	197	42	23	7.3	0.3	0.2
12	30	9.2	6.8	311	751	78	174	107	357	7.3	0.3	0.2
13	480	12	7.4	387	456	99	158	81	183	7.3	0.2	0.2
14	360	27	7.4	189	620	185	145	52	81	7.3	0.2	0.2
15	99	23	77	184	771	251	126	46	52	7.3	0.2	0.2
16	49	17	473	174	376	167	115	42	38	7.9	0.2	0.2
17	30	14	224	120	285	133	108	38	29	8.4	0.3	0.2
18	24	13	405	95	736	115	101	37	25	8.4	0.2	0.2
19	20	12	137	75	1650	101	95	36	23	7.9	0.2	0.1
20	17	12	89	64	564	774	85	35	20	7.3	0.2	0.1
21	16	10	197	56	353	1900	81	20	19	6.8	0.1	0.1
22	13	9.8	157	52	278	1190	76	33	17	6.3	0.1	0.2
23	13	9.8	89	63	247	732	74	38	16	4.8	0.1	0.6
24	12	9.2	67	981	2610	631	71	37	13	4.8	0.1	0.4
25	12	9.2	55	722	1250	471	67	33	12	3.8	0.1	0.4
26	11	9.2	63	2110	564	349	64	33	11	3.8	0.1	0.3
27	10	8.0	60	541	387	286	64	32	10	3.5	0.1	0.3
28	9.8	7.4	327	294	303	251	60	29	10	3.3	0.1	0.3
29	9.8	7.4	237	487		486	60	29	10	3.5	0.1	0.3
30	9.2	7.4	126	583		833	57	28	10	3.3	0.1	0.3
31	9.2		87	307		352		28		3.0	0.1	
Mean	54.7	10.7	95.8	302	655	351	305	41.1	40.5	6.9	1.2	0.2
Ac-Ft	3370	638	5890	18590	36360	21610	18160	2530	2410	425	71	12

E — Estimated NR — No Record

Total Discharge in Acre-Feet 110100

TABLE 50

DAILY MEAN DISCHARGE
SACRAMENTO RIVER NEAR RED BLUFF

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8900	9520	9180	14100	50400	64200	52200	12000	11600	10300	11700	11500
2	8840	9370	9150	17700	48900	53700	58100	12100	13100	11100	11900	11300
3	8650	9400	9120	15700	62900	43200	71500	12100	16600	10400	11900	11300
4	8650	8540	9120	14500	79300	34700	72500	12000	14500	9810	11800	11300
5	9090	8560	9150	14000	77700	26600	69500	12200	12600	9780	11800	11400
6	9350	9430	9150	13500	63000	20100	68400	12500	11600	9720	11800	11400
7	9430	9400	9090	13300	69100	17600	74700	13100	11700	9780	11800	11400
8	8930	8930	7830	13100	68800	16100	73100	14000	11700	10400	11800	11400
9	9210	7350	7430	13000	67000	14700	53300	14600	14600	10800	11900	11400
10	12500	7380	9090	19200	67300	14300	39400	14600	12700	10800	11800	11400
11	11500	9090	9090	19000	58700	14000	31600	15700	12100	10800	11800	11400
12	10000	9460	8560	20300	85800	13700	24700	18800	14400	10800	11800	11400
13	21300	11800	8240	29400	72600	13600	21000	18300	13000	10800	11800	10900
14	16000	29400	8210	19100	82500	13300	20500	17700	12100	10700	11800	10500
15	12200	16000	8050	17100	75000	15100	18600	17300	11800	10800	11700	9780
16	11100	12900	12800	16800	69700	12800	15900	17300	11500	10800	11800	9230
17	10600	11300	15200	15500	75500	12100	15000	17200	11400	10800	11800	9230
18	10200	11300	18100	14800	86400	11800	14900	17000	11200	10800	11800	9230
19	9980	12000	13300	13900	125000	11400	14300	17200	10600	10800	11800	9230
20	9780	11900	13500	12700	93200	15800	13800	17100	10300	10800	11800	9260
21	9720	12500	18400	13700	102000	32800	15000	16900	10000	10700	11800	9260
22	9690	12400	21200	13400	97400	36500	18000	16900	9920	10600	11800	9370
23	9750	12300	14200	13000	72900	26400	17600	17200	9890	10900	11800	9400
24	11600	12200	13400	22300	82900	28900	17000	17100	9890	11000	11800	9400
25	9980	12100	12700	28100	93900	33900	16700	16900	9840	10900	11800	9350
26	9460	11300	12800	48900	81700	25200	15400	16500	9720	10800	11800	9210
27	9980	11100	14000	25700	73900	22600	13200	14900	9550	10700	11800	9230
28	9810	9720	18000	25200	69000	21200	12300	14700	9430	11000	11800	9290
29	9720	9370	19600	36600		23600	12200	13400	9400	11200	11800	9290
30	9660	9290	16000	58500		39600	12100	12000	9430	11400	11800	9180
31	9600		14800	54300		40500		11600		11500	11800	
Mean	10490	11180	12210	21500	76880	24840	32420	15190	11540	10690	11800	10230
Ac-Ft	645000	665100	750700	1322000	4269000	1527000	1929000	934000	686600	657500	725600	608800

E — Estimated NR — No Record

Total Discharge in Acre-Feet 14720000

TABLE 51

DAILY MEAN DISCHARGE
RED BANK CREEK NEAR RED BLUFF

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	5.1	2.2	63	164	318	367 E	40	12	5.7	0	0
2	0	4.1	1.9	174	1150 E	297	620 E	37	16	5.0	0	0
3	0	3.7	1.9	82	705 E	277	305	35	16	4.7	0	0
4	0	3.4	2.1	69	1350 E	263	258	32	13	2.0	0	0
5	0	3.4E	5.2	63	616	253	518 E	31	11	0.8	0	0
6	0	3.3E	4.2	61	501	242	544 E	29	11	0.7	0	0
7	0	3.2E	3.0	58	1130 E	230	292	27	11	0.6	0	0
8	0	8.0E	2.8	56	573	219	235	25	12	0.5	0	0
9	0	5.0E	2.9	95	834 E	211	200	23	13	0.5	0	0
10	189	18 E	3.0	316	518	204	178	23	11	0.4	0	0
11	36	10 E	3.0	137	478 E	198	161	34	9.4	0.2	0	0
12	9.8	6.0E	2.8	318	1020 E	194	146	30	9.4	0.1	0	0
13	637	35 E	2.9	170	447	242	137	25	9.4	0	0	0
14	71	18 E	2.7	122	730 E	253	129	23	7.6	0	0	0
15	29	9.0E	27	116	619 E	235	117	21	6.4	0	0	0
16	17	5.0E	418	105	545	198	111	20	6.1	0	0	0
17	12	4.0E	123	92	434	182	103	18	4.7	0	0	0
18	8.7		328	85	1830 E	172	97	17	4.4	0	0	0
19	6.8		79	82	1710 E	166	90	17	7.6	0	0	0
20	5.1		59	78	687	475 E	85	16	11	0	0	0
21	4.4	3.7E	127	77	511	646 E	77	16	9.8	0	0	0
22	4.1		84	74	416	494 E	73	16	9.4	0	0	0
23	79		58	131	358	555 E	67	21	8.9	0	0	0
24	67		49	574 E	1870 E	280	62	17	8.9	0	0	0
25	25	3.4E	41	681 E	668	190	57	15	8.0	0	0	0
26	19	2.8	36	757 E	447	151	56	14	7.6	0	0	0
27	13	2.5	32	287	381	129	53	13	6.8	0	0	0
28	10	2.5	216	208	347	116	50	13	6.1	0	0	0
29	8.7	2.2	99	475 E		414 E	46	12	6.1	0	0	0
30	7.3	2.2	62	295		256	42	13	5.7	0	0	0
31	6.8		49	200		184		12		0	0	
Mean	40.8	6.2	62.2	197	751	266	176	22.1	9.3	0.7	0	0
Ac-Ft.	2510	368	3823	12100	41730	16350	10460	1359	554	42	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 89300

TABLE 52

DAILY MEAN DISCHARGE
ANTELOPE CREEK NEAR RED BLUFF

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	50	49	119	352	488	1720	200	160	93	57	49
2	54	48	49	505	684	404	1740	210	170	93	57	48
3	51	48	49	235	1100	342	1300	220	174	90	57	48
4	49	48	48	168	970	298	768	230	156	85	56	47
5	197	45	48	136	781	268	669	245	145	82	55	47
6	147	45	48	117	557	240	1010	255	137	80	55	47
7	168	45	48	104	536	215	604	255	132	79	54	47
8	96	46	47	98	557	218	453	258	135	77	55	49
9	91	46	47	98	689	198	369	270	144	75	55	51
10	151	47	47	475	605	185	330	292	135	74	52	51
11	100	57	47	242	456	174	309	363	135	73	52	51
12	77	53	46	418	1410	185	303	625	802	71	52	51
13	502	56	46	416	916	242	298	397	437	70	51	51
14	355	198	46	250	754	315	288	330	290	69	51	51
15	174	120	93	238	948	342	278	312	233	68	51	50
16	114	91	695	221	758	255	268	309	205	69	52	50
17	88	77	358	176	625	215	268	315	184	70	57	50
18	75	72	478	151	947	193	268	324	170	70	56	50
19	66	69	238	132	1660	178	255	324	172	68	54	49
20	62	65	172	119	889	942	248	315	154	67	52	48
21	59	62	223	106	633	2450	250	295	144	66	51	48
22	56	58	238	97	515	1350	260	288	136	69	50	50
23	57	56	172	98	459	1190	245	292	133	79	49	59
24	64	55	149	795	4280	915	225	268	126	69	49	54
25	59	54	127	673	2120	669	205	250	117	67	49	51
26	56	53	122	1760	1100	500	196	238	111	66	48	51
27	54	52	114	565	782	408	187	228	104	62	48	50
28	53	51	201	349	612	345	185	207	101	60	48	50
29	51	51	207	866		466	193	189	98	62	49	49
30	51	50	156	835		1020	193	176	95	61	50	49
31	51		132	498		548		170		59	49	
Mean	106	62.3	146	357	953	508	463	279	181	72.4	52.3	49.9
Ac-Ft	6530	3710	9000	21940	52950	31260	27540	17160	10780	4450	3220	2970

E — Estimated NR — No Record

Total Discharge in Acre-Feet 191500

TABLE 53

DAILY MEAN DISCHARGE
ANTELOPE CREEK NEAR MOUTH

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43 E	5.8E	5.3E									
2	31 E	5.8E	5.1E									
3	23 E	5.8E	4.8E									
4	18 E	5.8E	5.3E									
5	19 E	3.9E	5.1E									
6	35 E	3.7E	5.1E									
7	35 E	3.7E	4.8E									
8	27 E	3.7E	4.1E									
9	21 E	3.9E	3.1E									
10	58 E	4.4E	3.1E									
11	60 E	5.8E	3.3E									
12	35 E	5.8E	3.1E									
13	154 E	7.0E	2.7E									
14	172 E	460 E	2.7E									
15	71 E	44 E	4.1E									
16	43 E	21 E	81 E									
17	41 E	15 E	97 E									
18	20 E	13 E	115 E									
19	15 E	11 E	57 E									
20	10 E	10 E	38 E									
21	7.2E	9.5E	52 E									
22	5.1E	8.8E	194 E									
23	4.4E	8.5E	53 E									
24	6.4E	8.2E	39 E									
25	8.8E	7.8E	33 E									
26	5.1E	7.0E	29 E									
27	5.8E	6.1E	30 E									
28	5.6E	6.1E	60 E									
29	5.8E	4.8E	147 E									
30	5.8E	5.1E	69 E									
31	5.8E		50 E									
Mean	32.2	23.7	38.9									
Ac-Ft	1977	1410	2391									

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 54

DAILY MEAN DISCHARGE
NORTH FORK MILL CREEK NEAR MOUTH

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	6.5	3.8									
2	1.0	5.8	3.7									
3	1.1	5.5	3.5									
4	1.2	5.0	3.5									
5	1.7	3.1	3.5									
6	0.9	5.5	3.3									
7	1.2	9.4	3.3									
8	0.6	9.1	3.1									
9	0.6	8.4	2.1									
10	2.5	8.4	1.6									
11	1.2	8.1	2.0									
12	1.1	8.1	1.7									
13	4.8	8.8	1.2									
14	2.5	8.0	1.0									
15	2.5	5.8	1.7									
16	3.3	7.2	2.1									
17	4.8	6.5.	0.2									
18	3.7	6.5	0.2									
19	2.4	6.2	0.1									
20	2.2	5.8	0.4									
21	2.0	5.5	0.3									
22	1.9	5.6	0.2									
23	1.9	5.8	0.5									
24	0	5.5	0.4									
25	0	5.3	0.7									
26	0.5	5.0	0.7									
27	7.0	4.6	0.6									
28	7.5	4.4	0.7									
29	7.5	4.2	0.1									
30	7.2	3.8	0.2									
31	7.0		0.1									
Mean	2.7	6.2	1.5									
Ac-Ft	164	372	92									

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 55

DAILY MEAN DISCHARGE
ELDER CREEK AT GERBER

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	26	14 E	140	350	555	973	218	69	20	5.5	0.1
2	0	22	13 E	253	2410	466	1480	229	75	20	3.7	1.4
3	0	19	13 E	143	1760	412	811	240	77	17	2.6	0.5
4	0	17	17 E	109	3010	354	515	236	66	16	2.3	0
5	0	16	25 E	91	1600	304	632	240	59	13	2.3	0
6	0	14	17 E	79	991	272	1920	240	55	12	2.3	0
7	0	13 E	15	70	2350	246	682	226	64	12	2.3	0.1
8	0	13 E	14	64	1250	226	520	218	71	12	2.3	0.5
9	14	13 E	13	59	1620	202	460	218	86	10	2.3	0
10	509	12 E	12	499	1090	186	452	222	67	9.8	2.0	0
11	212	12 E	12	299	748	174	474	250	59	9.2	1.8	0
12	74	12 E	10	415	3040	156	478	254	59	8.6	2.0	0
13	1050	50 E	10	370	1110	341	478	191	55	8.6	1.8	0
14	299	120 E	9.3	238	1450	284	470	186	49	8.6	1.2	0
15	129	90 E	29	204	1680	262	452	150	44	7.5	1.8	0
16	84	61	390	192	1620	156	452	142	39	8.0	1.2	0.4
17	61	49	230	174	1030	142	466	142	36	9.2	1.5	0
18	49	45	477	160	4090	132	424	145	35	9.8	1.2	0.2
19	38	42	189	140	7650	118	384	140	34	9.2	1.2	0
20	32	36	150	126	2500	886	370	130	47	8.0	0.8	0
21	26	32	261	112	1410	1850	375	121	35	7.5	0.4	0
22	22	27	338	104	1070	1640	370	121	31	7.5	0.3	0
23	90	26	196	104	869	1030	322	148	30	8.0	0.4	0
24	255	24	150	742	5230	1060	282	117	26	12	1.0	0
25	93	22	118	655	2820	563	250	104	25	11	0.5	0
26	76	20	106	2240	1300	388	232	96	23	8.6	0.4E	0
27	64	17	93	573	898	326	222	90	20	6.5	0.4	0
28	53	16 E	291	398	695	350	222	86	19	5.5	0.6	0
29	44	15 E	407	1080		959	222	80	18	6.0	0.5	0
30	36	14 E	245	956		943	218	75	19	5.5	0.3	0
31	32		178	503		488		71		6.0	0.5	
Mean	108	29.8	130	364	1987	499	520	165	46.4	10.1	1.5	0.1
Ac-Ft	6630	1780	8020	22400	110400	30690	30940	10170	2760	620	94	6

E — Estimated NR — No Record Total Discharge in Acre-Feet 224500

TABLE 56

DAILY MEAN DISCHARGE
MILL CREEK NEAR LOS MOLINOS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	122	122	142	266	558	622	1950	567	567	366	194	142
2	118	118	140	594	987	533	2230	629	662	360	194	140
3	120	118	138	345	1450	470	1530	666	658	360	192	140
4	118	118	135	280	1200	419	880	738	556	363	184	137
5	790	118	135	244	1340	389	815	792	566	363	180	135
6	357	118	132	224	890	368	1100	802	556	363	177	132
7	344	118	130	208	810	339	678	758	534	351	174	130
8	190	118	125	203	860	336	559	779	517	334	170	137
9	178	118	122	203	1120	308	507	846	587	323	172	137
10	201	128	122	488	914	297	510	920	562	314	167	135
11	162	148	122	342	700	283	548	1170	528	306	164	132
12	150	130	120	651	2430	331	570	1160	1460	295	162	132
13	885	302	118	534	1480	354	580	833	885	292	160	132
14	590	1340	118	351	1100	454	608	746	730	292	157	130
15	288	452	228	322	1350	449	612	758	698	281	157	128
16	211	314	1240	294	1420	363	618	824	738	270	160	128
17	178	258	841	260	1160	328	662	895	706	270	164	130
18	158	238	1110	238	1280	308	648	980	694	253	167	130
19	148	233	505	222	1880	294	636	985	650	248	162	130
20	142	214	395	208	1250	1090	636	925	598	248	160	128
21	135	198	574	198	920	2550	690	880	601	248	154	128
22	130	182	592	185	758	1470	738	885	598	253	152	132
23	145	178	416	188	722	1530	601	856	604	262	152	152
24	172	175	345	547	3580	1190	510	774	548	243	150	132
25	168	170	300	537	2600	880	471	784	492	251	147	130
26	160	165	297	1720	1420	666	459	784	483	232	147	130
27	148	158	269	602	1000	558	459	754	471	220	147	128
28	140	155	392	425	762	484	462	654	429	214	147	125
29	132	150	401	1390		689	496	632	408	240	145	125
30	130	142	325	1390		1350	524	604	390	214	147	123
31	128		283	779		706		640		202	142	
Mean	227	217	333	466	1284	658	743	807	616	285	163	132
Ac-Ft	13960	12880	20450	28640	71290	40480	44210	49630	36650	17520	10010	7870

E — Estimated NR — No Record

Total Discharge in Acre-Feet 353600

TABLE 57

DAILY MEAN DISCHARGE
MILL CREEK NEAR MOUTH

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	120	134	133									
2	111	130	131									
3	108	127	127									
4	106	127	127									
5	461	124	129									
6	327	124	128									
7	351	122	129									
8	212	122	127									
9	184	122	127									
10	207	120	128									
11	179	124	127									
12	158	127	127									
13	514	140	128									
14	623	830	128									
15	363	466	205									
16	254	314	1100									
17	198	249	815									
18	173	216	1030									
19	156	207	555									
20	143	195	433									
21	137	184	556									
22	133	173	640									
23	133	162	466									
24	147	160	396									
25	155	158	348									
26	159	154	335									
27	154	148	317									
28	148	144	430									
29	142	138	457									
30	138	135	378									
31	137		333									
Mean	211	189	342									
Ac-Ft	12950	11260	21000									

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 58

DAILY MEAN DISCHARGE
THOMES CREEK AT PASKENTA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	57	65	61	600	1080	1290	886	846	362	96	40	10
2	39	54	56	619	1790	1100	1090	1000	384	92	35	10
3	32	49	50	502	1320	968	886	1050	366	87	39	9.4
4	27	47	50	438	2160	838	734	1020	319	84	38	8.8
5	39	42	61	378	1470	769	1080	1080	299	80	32	9.4
6	63	38	52	342	1200	706	964	1040	291	76	29	9.4
7	88	35	49	313	2230	632	755	950	299	72	27	10
8	67	38	45	295	1750	584	727	950	303	68	24	10
9	780	37	41	318	1630	530	734	1010	319	65	23	11
10	1030	37	39	878	1290	519	950	1040	307	62	22	11
11	384	59	37	678	1250	486	1220	1130	295	58	21	11
12	306	49	34	710	5780	480	1420	910	279	54	20	11
13	2610	1220	34	664	2750	445	1600	720	247	50	19	11
14	734	2420	32	348	2920	445	1640	650	235	50	18	13
15	390	808	65	580	4460	425	1610	620	239	50	16	12
16	230	515	497	652	4300	398	1690	664	243	52	17	11
17	152	360	541	658	2940	384	1750	734	235	56	21	10
18	112	348	619	619	5410	371	1540	798	235	55	20	8.8
19	88	348	450	548	7080	362	1410	734	275	52	18	7.5
20	74	284	815	489	3520	989	1490	657	259	50	17	8.8
21	65	225	1820	432	2240	1390	1550	685	204	47	15	7.5
22	52	180	1190	384	1720	1130	1510	727	194	47	14	7.5
23	106	156	752	420	1450	977	1100	727	177	65	13	8.8
24	289	137	586	738	8320	902	910	608	153	65	12	9.4
25	241	118	600	1050	5780	814	790	530	142	60	12	10
26	230	103	678	1050	2980	748	748	502	135	50	12	9.4
27	164	90	606	738	2080	706	727	486	125	45	11	8.1
28	128	83	1820	1000	1610	638	769	455	113	40	11	7.5
29	98	74	1470	4690		919	806	416	107	40	11	7.5
30	85	67	913	3060		846	822	394	105	45	11	7.0
31	74		710	1500		748		389		45	10	
Mean	285	270	477	835	2947	727	1130	759	242	59.9	20.3	9.5
Ac-Ft	17520	16040	29300	51350	163700	44710	67260	46660	14370	3690	1250	567

E — Estimated NR — No Record

Total Discharge in Acre-Feet 456400

TABLE 59

DAILY MEAN DISCHARGE
DEER CREEK NEAR VINA

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	118	116	118	294	789	1080	2840	724	446	230	160	130
2	114	114	118	560 E	1240	907	3370	767	459	228	158	130
3	118	112	116	370 E	1870	799	2380	794	523	222	158	128
4	114	110	114	324	1680	698	1650	823	459	215	156	128
5	280	110	116	281	1970	639	1440	865	415	210	154	128
6	242	109	116	255	1380	605	1490	877	393	204	152	127
7	235	109	116	235	1260	537	1880	859	376	199	148	128
8	165	110	116	225	1160	523	949	853	376	197	150	130
9	141	112	112	222	1310	472	865	871	393	192	150	130
10	141	116	112	540 E	1130	446	853	919	356	189	148	130
11	131	153	110	430 E	947	420	895	1140	352	186	146	128
12	129	133	109	720 E	2400	446	919	1250	995	184	144	130
13	575	201	109	600 E	1930	433	931	1010	724	181	142	130
14	566	1100	110	500 E	1440	508	967	889	542	181	139	127
15	228	390	194	393	1480	528	955	841	477	179	138	127
16	172	261	1360	370	1660	481	949	835	433	179	139	125
17	155	206	1070	324	1480	446	986	841	402	179	146	125
18	144	186	1380	291	1540	420	925	853	380	181	146	128
19	141	184	606	268	1510	407	925	835	376	179	144	125
20	139	177	476	248	1790	1530	907	805	352	181	142	124
21	135	158	615	235	1420	3610	943	767	331	175	142	124
22	129	144	679	215	1190	2490	1030	746	318	192	138	125
23	131	141	493	219	1100	2310	865	740	311	212	138	144
24	148	139	401	443	4200	1950	762	698	297	184	136	130
25	141	135	347	487	4520	1490	698	649	283	175	136	127
26	141	133	332	1540	2370	1140	665	619	265	171	135	124
27	129	127	305	752	1710	943	649	581	253	167	133	122
28	126	126	400 E	570	1350	811	639	542	246	162	133	122
29	122	122	470 E	1490		1190	671	513	240	212	133	122
30	120	120	363	1790		1840	703	485	238	175	132	120
31	118		321	1060		1290		463		167	130	
Mean	177	182	368	524	1708	1013	1157	789	400	190	143	127
Ac-Ft	10890	10820	22620	32230	94860	62260	68830	48500	23820	11680	8820	7570

E — Estimated NR — No Record

Total Discharge in Acre-Feet 402900

TABLE 60

DAILY MEAN DISCHARGE
DEER CREEK AT HIGHWAY 99E

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	95	104	108									
2	87	97	108									
3	87	95	104									
4	79	95	102									
5	310	95	104									
6	259	93	104									
7	231	93	99									
8	171	93	99									
9	153	95	93									
10	184	97	93									
11	131	144	89									
12	118	128	89									
13	589	147	87									
14	602	1180	89									
15	267	478	157									
16	181	322	1470									
17	150	263	1130									
18	133	227	1580									
19	120	227	624									
20	123	215	465									
21	123	201	544									
22	115	177	687									
23	123	162	478									
24	156	156	389									
25	144	150	337									
26	144	141	307									
27	125	123	298									
28	118	118	317									
29	111	118	429									
30	108	120	352									
31	106		312									
Mean	176	192	363									
Ac-Ft	10800	11410	22300									

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 61

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT VINA BRIDGE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9340	10300	10100	17000	58900	74200	66700 E	14900 E	13100	10400 E	11700 E	11700
2	9230	10200	10000	23800	60200	64100	70500	14800 E	13400	11400 E	12000 E	11200
3	9040	10200	9970	20600	80000	52100 E	84900	14900 E	18400	11300 E	12000 E	11200
4	9040	10100	9910	17400	93900	43000 E	81700	15000 E	16700	10400 E	12000 E	11200
5	10300	8590	9910	16400	101000	39000 E	79400	15100 E	14500	10300 E	11900 E	11200
6	10400	10000	9970	15600	76000	29900 E	85300	15300 E	13200	10200 E	11900 E	11200
7	10400	10000	9850	15200	78900	20200 E	78800	15500 E	12900	10200 E	11900 E	11300
8	9680	10000	9230	14800	83300	19100 E	83000	16100 E	12900	10500 E	11800 E	11300
9	9660	8430	8140	14700	78900	17900 E	66800	17300 E	15300	10900 E	11800 E	11200
10	14500	8280	9230	23400	83500	17300 E	48000 E	17700 E	14800	11000 E	11900 E	11300
11	13900	9150	9680	24800	68700	16400	40000 E	18500 E	13400	11000 E	11800 E	11300
12	11200	10200	9500	22300	97800	16400	33900 E	22800 E	15900	11000 E	11800 E	11300
13	24800	10600	8910	39000	91500	16400	27800 E	22700 E	16600	11100 E	11800 E	11000
14	26600	33700	8880	24800	92600	16200	25100 E	21700 E	14100	11100 E	11800 E	10400
15	14800	21600	8940	20800	96800	17400	24600 E	21300 E	13500	11100 E	11900 E	10000
16	12800	16300	15800	20800	83200	16900	21900 E	20900 E	13000	11100 E	11800 E	9300
17	11800	13400	20800	18900	84900	14700	19700 E	20800 E	12700	11100 E	11800 E	9270
18	11200	13600	24700	17700	96300	14000	19500 E	20600 E	12600	11100 E	11900 E	9220
19	10800	13400	17800	16700	141000	13500	18600 E	20500 E	12200	11100 E	11900 E	9190
20	10600	13400	15700	14700	118000	20000 E	17700 E	20400 E	11500	11100 E	11900 E	9140
21	10500	13900	17200	15500	104000	54800	17600 E	20400 E	11300	11100 E	11800 E	9300
22	10400	13700	30600	15300	104000	54400	21500 E	20400 E	11100	11000 E	11800 E	9350
23	10400	13600	18500	15000	88200	39100 E	21900 E	20400 E	11000	11100 E	11800	9430
24	12100	13400	15900	24800	95500	37000 E	20800 E	20400 E	10900	11200 E	11800	9430
25	12500	13300	15000	40300	131000	45700 E	19800 E	20000 E	10800	11200 E	11800	9400
26	9800	12600	14500	71000	94900	39300	19300 E	19300 E	10600	11200 E	11700	9240
27	10900	11900	15800	42900	85700	32500	16800 E	17900 E	10500	11100 E	11700	9190
28	10700	11100	17600	29000	78800	29000	14500 E	16800 E	10400	11000 E	11700	9190
29	10600	10200	27900	42600		32000 E	14700 E	15800	10400	11400 E	11700	9220
30	10500	10100	20200	71300		56300 E	14800 E	14100	10300	11400 E	11700	9140
31	10400		17700	65400		45300 E		13200		11500 E	11600	
Mean	11900	12480	14450	26850	90980	32390	39190	18240	12930	10990	11820	10190
Ac-Ft	731700	742300	888400	1651000	5053000	1992000	2332000	1122000	769600	675600	726700	606600

E — Estimated NR — No Record Total Discharge in Acre-Feet 17290000

TABLE 62

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT HAMILTON CITY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9470	10400	10500	16200	55600	78100	60900	13600	11600	7840	9360	10000
2	9070	10300	10400	21900	54800	69600	65100	13500	11600	9050	9760	9640
3	8840	10300	10300	21100	77100	58100	83000	13700	15600	9110	9760	9610
4	8730	10300	10300	17100	86300	48500	78000	13600	15200	8160	9670	9640
5	9590	8810	10300	15600	101000 E	40600	75400	13500	13100	8010	9700	9700
6	10300	10100	10300	14800	79900	31900	82500	13700	11600	8040	9580	9300
7	10000	10200	10300	14400	73100	26600	75500	13700	11000	7870	9480	9980
8	9650	10200	10000	14000	83700	24500	79500	14600	11000	8250	9480	10100
9	9500	8930	8640	13700	76800	21900	67500	15500	12600	8630	9450	10200
10	13400	8360	9320	19500	85600	20700	49700	15800	13600	8810	9450	10200
11	14900	8900	10200	24600	70000	19800	40900	16900	11900	8780	9420	10400
12	11800	10300	10100	19900	86000	19000	34600	20900	13100	8750	9360	10500
13	19900	10500	9440	36700	98200	19300	28700	21000	15600	8720	9390	10400
14	28800	27400	9300	25300	89300	18200	27400	19700	12700	8750	9360	9700
15	16000	23000	9500	20000	98400	21000	26000	19000	11900	8660	9300	9390
16	13300	16800	13500	19700	85900	18500	23000 E	18900	11300	8660	9330	8450
17	12100	13800	20700	17900	85900	16500	16900 E	18800	10900	8750	9510	8420
18	11500	12900	23800	16600	91600	15800	16000	18600	10700	8750	9540	8450
19	11000	13300	19500	15800	135000	15000	16800	18600	10400	8810	9510	8330
20	10700	13400	16200	13900	134000	16700	17600	18400	9480	8780	9480	8330
21	10600	13700	16700	14100	108000	52400	18200	18000	9360	8780	9480	8420
22	10500	13700	28800	14200	109000	55800	22000	17900	9050	8690	9580	8420
23	10400	13600	20000	13900	96300 E	42900	22000	18600	8900	8870	9640	8630
24	11600	13500	16600	19600	91900 E	40400	20900	18700	8810	8960	9730	8630
25	12700	13400	15800	39800	140000	41800	20100	18100	8630	8870	9760	8600
26	10200	13000	15000	62800	105000	34100	19400	17800	8480	8810	9700	8480
27	11000	12200	15900	52300	92800	29300	17100	16400	8220	8720	9760	8360
28	10900	11700	16600	28000	83800	26700	15300	15300	8010	8720	9800	8330
29	10700	10600	27200	36500		27000	15000	14700	7840	9020	9730	8330
30	10600	10500	21000	64200		50000	14000	12900	7900	9050	9860	8280
31	10500		18500	63100		41900		11800		9330	9980	
Mean	11880	12470	14670	25390	91960	33630	38300	16520	11000	8677	9578	9191
Ac-Ft.	730400	742000	901900	1561000	5108000	2068000	2279000	1016000	654700	533600	588900	546900

E — Estimated NR — No Record

Total Discharge in Acre-Feet 16730000

TABLE 63

DAILY MEAN DISCHARGE
BIG CHICO CREEK NEAR CHICO

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	39	40	110	532	508	1730	144	69	48	37	33
2	35	38	40	280	628	419	2210	142	73	47	40	33
3	39	37	40	225	1210	363	1810	137	79	46	37	33
4	35	37	40	178	1240	312	1170	133	75	46	37	33
5	128	36	39	148	1340	273	938	130	67	45	36	33
6	83	36	38	129	1030	255	938	126	65	44	35	32
7	61	36	38	113	1010	223	772	123	65	43	34	32
8	51	36	38	104	961	223	641	120	67	43	35	33
9	44	36	38	98	970	198	560	117	72	42	35	33
10	42	48	38	239	943	185	540	116	66	41	34	33
11	39	64	38	262	725	177	529	133	65	41	34	32
12	39	43	37	309	2020	179	512	132	110	41	34	33
13	261	105	38	417	1380	179	476	119	102	40	34	33
14	179	377	38	318	925	223	442	112	81	40	34	33
15	93	169	99	252	1020	273	400	105	71	40	34	33
16	68	111	992	212	1140	258	369	99	65	42	35	32
17	55	87	647	178	930	239	345	96	63	41	37	32
18	49	79	986	154	886	221	321	89	55	41	37	31
19	44	68	422	137	1560	209	291	89	59	41	36	31
20	43	61	297	124	1190	656	270	87	57	40	35	31
21	40	56	393	111	804	2640	255	84	55	40	34	30
22	39	52	432	101	593	1900	247	87	54	40	34	31
23	44	51	303	100	480	1640	231	89	54	43	34	38
24	57	48	225	264	2190	1560	214	84	53	42	34	33
25	52	46	174	401	2300	1160	194	81	51	40	33	33
26	50	45	148	1170	1240	848	179	77	50	40	33	31
27	47	44	128	720	844	665	169	75	49	38	33	30
28	45	42	133	459	633	532	163	75	48	38	33	30
29	43	42	142	1450		670	157	71	48	39	33	30
30	41	41	126	1520		1380	147	71	48	40	33	30
31	40		117	790		986		69		38	33	
Mean	62.0	66.9	203	357	1097	631	574	104	64.5	41.6	34.7	32.2
Ac-Ft.	3810	3980	12500	21960	60940	38780	34160	6370	3840	2560	2140	1910

E — Estimated NR — No Record

Total Discharge in Acre-Feet 193000

TABLE 64

DAILY MEAN DISCHARGE
BIG CHICO CREEK AT CHICO

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sept.
1	7.8	18	23	77	329	327	881	148	54	28	15	11
2	1.0	18	24	159	344	279	1090	145	56	31	16	6.4
3	1.5	19	24	135	603	246	1060	140	60	26	18	0
4	0.1	21	24	113	643	223	705	137	59	26	14	0
5	33	22	25	99	697	200	559	133	46	25	14	0
6	33	22	24	87	580	189	562	132	45	24	17	0
7	15	22	23	80	557	176	467	127	43	25	9.9	0
8	10	22	23	73	544	173	394	124	43	24	13	0
9	5.6	24	22	69	537	159	347	119	50	22	13	0
10	3.3	25	23	127	544	150	325	116	50	19	13	0
11	1.3	53	27	148	446	147	316	135	49	17	12	0
12	0	32	30	159	973	145	306	138	78	19	12	0
13	48	51	34	234	787	148	287	124	87	23	14	0
14	49	221	38	182	572	164	268	113	65	25	9.6	0
15	5.0	130	75	147	593	193	244	107	54	25	10	0
16	0	92	527	127	646	187	227	102	46	29	12	0
17	0	64	402	111	567	178	213	97	44	19	17	0
18	0	44	549	102	519	169	200	90	43	21	16	0
19	0	38	285	96	856	162	187	87	34	21	14	0
20	0	32	213	92	722	314	175	82	36	21	14	0
21	0	31	246	87	537	1250	166	76	38	27	10	0
22	0	38	274	86	410	1040	161	75	31	32	10	0
23	0	38	201	87	336	870	155	66	32	37	10	0
24	0	34	157	158	891	850	143	28	35	18	10	0
25	0	32	127	248	1230	654	161	23	36	19	10	0
26	0	30	111	609	711	502	176	34	29	19	11	0
27	0	28	98	460	509	413	169	59	31	17	9.5	0
28	0	27	92	308	399	345	162	57	29	17	10	0
29	0	25	99	633		340	161	55	29	19	10	0
30	15	24	86	803		722	152	50	29	21	10	0
31	18		80	467		526		53		13	10	
Mean	8.0	42.6	129	205	610	369	347	95.9	45.4	22.9	12.4	0.6
Ac-Ft	489	2533	7906	12620	33880	22690	20670	5895	2700	1406	762	35

E — Estimated NR — No Record

Total Discharge in Acre-Feet 111600

TABLE 65

DAILY MEAN DISCHARGE
LINDO CHANNEL NEAR CHICO

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	18	167	214	1030	12	0.7	0	0	0
2	0	0	0	82	165	178	1450	11	1.1	0	0	0
3	0	0	0	69	408	157	1240	7.8	0.7	0	0	0
4	0	0	0	51	478	140	652	5.7	0.3	0	0	0
5	15	0	0	39	586	124	463	4.5	0.3	0	0	0
6	38	0	0	29	405	118	468	3.1	0.1	0	0	0
7	18	0	0	23	351	107	376	2.2	0	0	0	0
8	14	0	0	18	348	103	317	1.4	0	0	0	0
9	8.7	0	0	15	334	94	272	1.4	0	0	0	0
10	9.7	0	0	57	358	90	248	0.9	0	0	0	0
11	9.7	0	0	81	256	88	244	2.8	0	0	0	0
12	18	0	0	84	1050	92	234	1.9	0	0	0	0
13	114	0	0	149	751	95	222	1.9	0	0	0	3.6
14	140	38	0	110	366	104	207	1.1	0	0	0	17
15	75	12	0	85	384	130	192	0.9	0	0	0	18
16	53	0	436	69	463	124	178	0.9	0	0	0	5.7
17	41	0	269	54	369	118	166	0.9	0	0	0	0
18	34	0	441	41	319	108	154	0.9	0	0	0	0
19	29	0	192	31	880	103	142	0.7	0	0	0	0
20	26	0	124	23	731	215	132	0.7	0	0	0	0
21	24	0	126	15	368	1630	124	0.9	0	0	0	0
22	22	0	167	11	245	1220	121	1.4	0	0	0	0
23	26	0	112	8.7	186	899	115	1.4	0	0	0	0
24	39	0	78	50	902	871	105	38	0	0	0	1.0
25	38	0	60	116	1710	562	73	51	0	0	0	2.5
26	36	0	50	480	725	393	36	45	0	0	0	0.4
27	33	0	37	273	387	317	30	4.2	0	0	0	0
28	26	0	29	153	272	249	24	1.4	0	0	0	0
29	15	0	36	596		266	22	1.4	0	0	0	0
30	0	0	25	811		728	16	1.1	0	0	0	0
31	0		21	478		434		0.9		0	0	
Mean	29.1	1.7	71.1	126	499	325	302	6.8	0.1	0	0	1.6
Ac-Ft	1789	99	4370	7765	27700	19980	17960	415	7	0	0	96

E — Estimated NR — No Record

Total Discharge in Acre-Feet 80180

TABLE 66

DAILY MEAN DISCHARGE
STONY CREEK AT BLACK BUTTE DAM SITE, NEAR ORLAND

In second-feet

Date	1957			1958									
	Oct.	Nov	Dec	Jan	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	27	41	67	570	2570	4920 E	4180	601	234	158 E	145 E	171 E
2	20	38	62	624	6250	3500 E	6010	590	250	158 E	145 E	171 E
3	16	38	56	600	7280	2500 E	5670	634	234	158 E	120	164 E
4	14	35	51	552	11400	2200 E	4360	601	226	171 E	95 E	158 E
5	14	34	58	510	10600	2060	4310	799	197	171 E	91 E	130
6	15	34	67	456	6610	2230	5490	1050	158	102 E	132 E	115 E
7	14	31	56	370	7280	1900	3860	1170	141	92 E	171 E	78 E
8	15	31	53	370	5510	1780	3140	1120	178	164 E	145 E	52 E
9	40	31	49	375	6150	1670	2690	1170	218	152 E	132 E	52 E
10	851	31	44	1630	6290	1580	2500	1170	226	171 E	141 E	99 E
11	303	32	41	1630	4280	1290	2470	1330	171	171 E	145 E	106 E
12	140	41	40	1550	9910	954	2480	1220	234	158 E	152 E	115 E
13	1280	122	39	1680	7440	1060	2450	990	210	128 E	152 E	136 E
14	454	1140	38	1120	6250	1170	2350	918	158	158 E	132 E	141 E
15	216	425	56	660	6070	1300	1910	906	102	158 E	128 E	136 E
16	159	268	275	681	5620	1110	1160	906	106	164 E	78 E	141 E
17	122	209	558	660	4930	678	1320	810	95	164 E	82 E	132 E
18	106	183	1330	688	9520	623	930	777	106 E	152 E	136 E	132 E
19	84	202	912	667	24000	733	906	744	128 E	136 E	152 E	119 E
20	67	180	810	648	13000	2300	1120	634	164 E	136 E	152 E	92 E
21	60	156	948	600	7940	8350	1110	601	136 E	136 E	152 E	54 E
22	51	137	1240	534	6090	6660	1070	645	136 E	145 E	124 E	115 E
23	51	122	930	420	5410	4640	1100	858	164 E	152 E	132 E	115 E
24	95	114	756	996	18600	3700	942	777	164 E	152 E	128 E	95 E
25	84	106	678	1610	19400	3140	896	700	178 E	132 E	128 E	95 E
26	84	95	618	7510	10200 E	2830	788	612	178 E	95 E	132 E	119 E
27	72	87	540	3610	7540 E	2580	777	502	141 E	106 E	91 E	136 E
28	62	82	859	1890	5790 E	2420	656	440	158 E	136 E	91 E	124 E
29	56	74	1150	3730		2960	234	420	132 E	171 E	102 E	128 E
30	51	74	800	5010		4270	532	326	136 E	171 E	152 E	128 E
31	46		660	3440		3650		258		145 E	164 E	
Mean	151	140	446	1464	8640	2605	2247	783	169	147	130	118
Ac-Ft	9260	8320	27450	90030	479900	160200	133700	48160	10030	9050	7980	7040

E — Estimated NR — No Record

Total Discharge in Acre-Feet 991100

TABLE 67

DAILY MEAN DISCHARGE
STONY CREEK NEAR HAMILTON CITY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	32	29	602	2830	4730	4300	328	168	18	10	0.5
2	0	29	28	632	3730	3690	6060	310	153	20	11	0.5
3	0	26	27	632	7080	2530	7360	346	165	19	8.9	0.4
4	0	24	25	560	8740	2750	5170	314	156	20	9.5	0.3
5	0	20	24	505	10600	2420	4280	310	136	25	9.5	0.2
6	0	17	24	455	6920	2480	7060	382	121	28	11	6.0
7	0	13	24	358	6880	2100	4410	466	111	28	5.0	7.7
8	0	10	22	311	6660	1910	3370	454	107	19	2.0	12
9	0	6.2	20	287	6470	1740	3020	462	105	13	0.8	16
10	425	4.0	18	1010	8060	1640	2920	500	123	12	5.5	15
11	362	1.2	15	1630	8010	1560	2920	630	138	12	9.5	10
12	132	0	15	1430	11100	1030	2880	932	147	12	8.9	4.2
13	974	0	12	1780	9160	1130	2850	752	172	8.9	6.5	1.4
14	761	737	11	1410	6880	1270	2790	680	151	9.5	3.8	0.4
15	338	520	20	840	7220	1490	2510	655	105	13	3.5	0.3
16	201	287	64	740	6700	1370	1530	675	76	15	3.2	0.8
17	140	187	319	674	6200	822	1530	590	59	14	11	0.8
18	102	138	1050	680	8060	666	1520	505	44	15	19	0.6
19	83	134	1160	662	29200	726	1280	450	35	25	13	1.6
20	63	128	938	626	19200	1400	1560	370	25	26	6.5	6.5
21	51	106	903	572	10900	8230	1680	342	40	27	2.6	4.2
22	44	89	1490	505	7440	9420	1660	335	32	24	1.8	5.0
23	41	72	1220	358	5850	5890	1780	575	35	18	1.8	13
24	42	63	980	698	14000	4350	1480	555	31	24	10	11
25	52	56	840	1130	28800	3370	1520	486	27	24	7.1	3.5
26	47	50	752	6220	13400	2730	1320	430	24	16	6.5	3.5
27	44	41	698	3980	8700	2450	1330	349	31	13	4.2	2.9
28	41	38	657	2590	6250	2250	1110	282	34	14	8.3	1.6
29	39	34	1370	2600		2210	720	252	30	12	3.5	0.7
30	38	31	917	4680		4800	442	240	22	13	3.8	0.4
31	36		710	3740		3750		195		15	1.4	
Mean	131	96.4	464	1384	9823	2803	2745	457	86.8	17.8	6.8	4.4
Ac-Ft.	8040	5740	28530	85080	545500	172400	163400	28070	5160	1100	415	260

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1044000

TABLE 68

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT ORD FERRY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9440	10400	10500	17900	61000 E	81800 E	65000 E	15600	12200	7950	9270	10000
2	8970	10200	10400	22700	54600	72900 E	77200 E	15400	11900	8890	9630	9600
3	8800	10200	10300	24000	83200 E	59900 E	97700 E	15600	14800	9130	9770	9410
4	8620	10200	10200	19300	93800 E	50500	89900 E	15400	15900	8390	9750	9440
5	9230	8970	10200	17700	115000 E	43000	85200 E	15200	14100	8020	9730	9510
6	10400	9880	10200	16900	102000 E	35900	92700 E	15300	12400	8000	9730	9600
7	9750	10100	10200	16300	81800 E	30600	87400 E	15300	11500	7860	9700	9700
8	9630	10100	10100	15800	94000 E	28400	86100 E	15900	11400	8100	9700	9820
9	9320	9320	8780	15600	86500 E	25900	77200 E	16700	12400	8390	9730	9920
10	12100	8490	9010	19700	96300 E	24300	56600 E	17000	14200	8600	9800	9970
11	15200	8730	9920	27100	82600 E	23300	45600	17700	12200	8600	9820	10100
12	12200	10200	10000	22500	87600 E	22300	39300	20700	12700	8550	9820	10200
13	17200	10400	9370	36000	116000 E	22500	33600	21800	16200	8550	9750	10200
14	31200	22300	9180	29800	97700 E	21800	31700	20400	13300	8530	9730	9580
15	17500	25200	9510	22700	105000 E	24500	30400	19600	12300	8390	9650	9360
16	13900	17500	13000	21700	97900 E	22800	27400	19400	11600	8420	9630	8640
17	12400	14600	21700	20100	92000 E	20100	24500	19200	11200	8510	9700	8420
18	11700	13200	24000	19000	94700 E	19100	24000	19100	10900	8510	9770	8440
19	11200	13300	22000	18200	201000 E	18300	22900	18900	10700	8530	9730	8390
20	10800	13600	17300	16700	244000 E	19400	22100	18800	9870	8510	9700	8370
21	10600	13700	17400	16400	118000 E	58600 E	21700	18400	9600	8480	9700	8390
22	10600	13800	27800	16500	113000 E	72200 E	24100	18200	9290	8460	9750	8460
23	10500	13700	22100	16100	106000 E	56300 E	24900	18700	9130	8510	9770	8620
24	11100	13600	17700	19300	94400 E	49900	23600	18900	9030	8660	9870	8620
25	12600	13400	16600	40000	251000 E	48400	22800	18400	8800	8660	9870	8530
26	10600	13200	15800	58300 E	129000 E	42000	22000	18000	8640	8600	9850	8530
27	11000	12300	16300	71900 E	104000 E	35800	19700	17100	8420	8600	9850	8460
28	10800	12000	16500	35400	90900 E	32800	17700	15800	8240	8480	9900	8350
29	10700	10800	26000	37500		32000	17200	15300	8060	8800	9800	8420
30	10500	10600	22000	64100 E		53200	16200	13900	8080	8990	9920	8300
31	10400		19100	70600 E		48700		12700		9220	9950	
Mean	11900	12470	14940	27930	110500	38620	44210	17370	11300	8513	9753	9112
Ac-Ft	731800	741800	918700	1717000	6135000	2375000	2631000	1068000	672500	523400	599700	542200

E — Estimated NR — No Record

Total Discharge in Acre-Feet 18660000

TABLE 69

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT BUTTE CITY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9880	10400	10200	17800	64300	82800	62200	16600	12500	7630	9210	9900
2	9280	10200	10100	20000	60100	74300	72400	16400	12200	8280	9400	9640
3	9060	10100	10000	24000	70700	63000	87000	16200	13600	8780	9590	9450
4	8900	10100	9950	19500	91400	54700	90800	16100	15400	8210	9660	9450
5	8940	9280	9930	17800	113000	45100	84700	15900	13900	7840	9620	9500
6	10700	9520	9930	17000	117000	36300	86700	15800	12400	7720	9590	9570
7	10000	9980	9900	16400	89400	29100	90400	15700	11500	7590	9520	9620
8	9950	9980	9860	15900	93200	26100	83500	16100	11300	7660	9520	9860
9	9500	9470	8870	15700	93100	24000	80900	16800	11600	7950	9640	9900
10	11100	8440	8530	18000	96500	22300	63100	17100	13600	8300	9640	9980
11	15000	8530	9660	25200	93400	21300	51600	17600	12200	8300	9660	10000
12	12700	9740	9760	22000	82900	20200	43000	19700	11800	8250	9620	10200
13	13600	10100	9300	33900	118000	20000	35700	21500	15000	8210	9590	10200
14	29200	15400	9180	32900	108000	19700	31800	20400	13100	8210	9590	9810
15	19500	25300	9350	22600	106000	20900	30500	19800	12100	8320	9570	9590
16	14600	17100	11200	20900	107000	20800	27800	19300	11400	8180	9570	8870
17	12900	14200	19800	19800	95600	18500	25100	19200	10900	8250	9620	8410
18	12000	12800	20600	18700	95600	17500	24100	19000	10600	8250	9660	8440
19	11500	12600	22400	17900	126000	16800	23100	18600	10400	8340	9640	8370
20	11100	13000	17100	16800	158000	16700	22400	18700	9810	8370	9660	8280
21	10900	12900	16700	16200	136000	40200	21900	18300	9500	8410	9660	8280
22	10700	13100	22800	16400	117000	65100	23100	18100	9180	8370	9690	8340
23	10600	13000	23200	16100	112000	61200	24500	18300	8970	8340	9760	8440
24	10900	12900	17800	17700	95800	52700	23600	18500	8850	8550	9860	8480
25	12400	12800	16600	34000	136000	48700	22800	18200	8640	8670	9810	8480
26	11200	12600	15900	46400	146000	45800	22100	17800	8510	8600	9760	8440
27	10800	12000	15800	70800	110000	36100	20400	17200	8250	8550	9760	8340
28	10900	11600	16300	44800	93500	31500	18700	16000	8070	8410	9780	8280
29	10700	10700	22600	35100		29700	18100	15500	7910	8580	9760	8370
30	10600	10300	22500	52500		42600	17300	14300	7880	8920	9780	8230
31	10500		19100	68300		53500		12900		9090	9810	
Mean	11920	11940	14350	26810	104500	37330	44310	17470	11040	8295	9645	9091
Ac-Ft	733100	710400	882500	1648000	5803000	2295000	2637000	1074000	656700	510000	593100	540900

E — Estimated NR — No Record

Total Discharge in Acre-Feet 18080000

TABLE 70

DAILY MEAN DISCHARGE
MOULTON WEIR SPILL TO BUTTE BASIN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	2610	7730	114	0	0	0	0	0
2	0	0	0	0	1060	5270	3580	0	0	0	0	0
3	0	0	0	0	2240	2240	7300	0	0	0	0	0
4	0	0	0	0	8880	214	10400	0	0	0	0	0
5	0	0	0	0	15700	0	8110	0	0	0	0	0
6	0	0	0	0	19900	0	7970	0	0	0	0	0
7	0	0	0	0	11300	0	10000	0	0	0	0	0
8	0	0	0	0	9870	0	7350	0	0	0	0	0
9	0	0	0	0	11400	0	6980	0	0	0	0	0
10	0	0	0	0	10900	0	2500	0	0	0	0	0
11	0	0	0	0	12100	0	60	0	0	0	0	0
12	0	0	0	0	7490	0	0	0	0	0	0	0
13	0	0	0	0	17300	0	0	0	0	0	0	0
14	0	0	0	0	17400	0	0	0	0	0	0	0
15	0	0	0	0	14200	0	0	0	0	0	0	0
16	0	0	0	0	15300	0	0	0	0	0	0	0
17	0	0	0	0	11500	0	0	0	0	0	0	0
18	0	0	0	0	11000	0	0	0	0	0	0	0
19	0	0	0	0	18000	0	0	0	0	0	0	0
20	0	0	0	0	34700	0	0	0	0	0	0	0
21	0	0	0	0	28000	0	0	0	0	0	0	0
22	0	0	0	0	19200	1580	0	0	0	0	0	0
23	0	0	0	0	17300	1720	0	0	0	0	0	0
24	0	0	0	0	12200	20	0	0	0	0	0	0
25	0	0	0	0	21800	0	0	0	0	0	0	0
26	0	0	0	0	31600	0	0	0	0	0	0	0
27	0	0	0	2370	17800	0	0	0	0	0	0	0
28	0	0	0	446	11700	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	31		0	0	0	0	0	0	0
31	0		0	2470		28		0		0	0	
Mean	0	0	0	172	14730	607	2145	0	0	0	0	0
Ac-Ft	0	0	0	10550	818100	37290	127700	0	0	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 993600

TABLE 71

DAILY MEAN DISCHARGE
SACRAMENTO RIVER OPPOSITE MOULTON WEIR

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9560	NR	NR	NR	NR	79800	53200	17200	13500	8840	9540	10000
2	8990	NR	NR	NR	NR	73500	70000	16700	13200	9260	9720	9850
3	8730	NR	NR	NR	NR	65500	79000	16500	14300	9850	9910	9620
4	8600	NR	NR	NR	NR	56000	83500	16500	16900	9410	9910	9580
5	8560	NR	NR	NR	NR	47000	81500	16200	15400	8910	9890	9680
6	10100	NR	NR	NR	NR	38200	81500	16100	13700	8800	9870	9770
7	9620	NR	NR	NR	NR	30300	83000	16100	12700	8630	9790	9890
8	9580	NR	NR	NR	NR	27000	79700	16300	12400	8650	9740	10100
9	9080	NR	NR	NR	NR	25500	79000	17000	12500	8990	9760	10200
10	9830	NR	NR	NR	NR	24700	66700	17600	14700	9270	9760	10200
11	14300	NR	NR	NR	NR	24100	53500	18000	13500	9270	9810	10300
12	13000	NR	NR	NR	NR	22400	44300	20200	12800	9220	9760	10500
13	11800	NR	NR	NR	NR	22000	37000	23100	15800	9180	9720	10600
14	32100 E	NR	NR	NR	NR	22000	32200	22100	14700	9180	9700	10100
15	25000 E	NR	NR	NR	NR	22000	30800	21000	13200	9200	9680	9890
16	16200	NR	NR	NR	NR	23500	28500	20600	12600	9100	9640	9270
17	13200	NR	NR	NR	NR	22200	26200	20400	12200	9100	9680	8950
18	12100	NR	NR	NR	NR	21000	25300	20300	11800	9100	9760	8950
19	11400	NR	NR	NR	NR	19000	24900	20000	11500	9120	9720	8880
20	11100	NR	NR	NR	NR	19000	24600	20100	11000	9060	9700	8820
21	10800	NR	NR	NR	NR	29500	24200	19600	10600	9060	9720	8820
22	10700	NR	NR	NR	NR	62000	24600	19400	10300	9050	9720	8900
23	10600	NR	NR	NR	NR	63500	24700	19700	10100	9030	9770	8930
24	10700	NR	NR	NR	NR	53600	25200	20000	9930	9200	9870	8990
25	12200	NR	NR	NR	NR	49000	24800	19800	9740	9180	9910	8990
26	11600	NR	NR	NR	NR	47200	24600	19400	9580	9160	9910	8970
27	10600	NR	NR	NR	NR	38000	22500	18800	9350	9100	9870	8900
28	10900	NR	NR	NR	NR	32900	20200	17300	9180	8990	9890	8800
29	10800	NR	NR	NR		30500	19100	16700	9010	9120	9890	8800
30	10700	NR	NR	NR		38000	18100	15500	8950	9310	9910	8760
31	10600		NR	NR		53700		14100		9430	9950	
Mean	12030					38150	43750	18460	12170	9122	9789	9467
Ac-Ft	739900					2346000	2603000	1135000	724200	560900	601900	563300

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 72

DAILY MEAN DISCHARGE
COLUSA WEIR SPILL TO BUTTE BASIN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	29600	41700	19100	0	0	0	0	0
2	0	0	0	0	26100	36600	33400	0	0	0	0	0
3	0	0	0	0	27200	30500	40400	0	0	0	0	0
4	0	0	0	0	39500	22200	47500	0	0	0	0	0
5	0	0	0	0	46500	13800	44800	0	0	0	0	0
6	0	0	0	0	52100	6700	43700	0	0	0	0	0
7	0	0	0	0	42900	992	47700	0	0	0	0	0
8	0	0	0	0	38600	0	43900	0	0	0	0	0
9	0	0	0	0	41400	0	43200	0	0	0	0	0
10	0	0	0	0	40100	0	35300	0	0	0	0	0
11	0	0	0	0	42900	0	23000	0	0	0	0	0
12	0	0	0	0	36600	0	14100	0	0	0	0	0
13	0	0	0	22	45300	0	7810	0	0	0	0	0
14	0	0	0	2600	51400	0	3470	0	0	0	0	0
15	0	0	0	15	48000	0	2150	0	0	0	0	0
16	0	0	0	0	50000	0	557	0	0	0	0	0
17	0	0	0	0	45000	0	0	0	0	0	0	0
18	0	0	0	0	43100	0	0	0	0	0	0	0
19	0	0	0	0	50200	0	0	0	0	0	0	0
20	0	0	0	0	71200	0	0	0	0	0	0	0
21	0	0	0	0	71500	2890	0	0	0	0	0	0
22	0	0	0	0	60500	24800	0	0	0	0	0	0
23	0	0	0	0	56400	29100	0	0	0	0	0	0
24	0	0	0	0	49200	20200	0	0	0	0	0	0
25	0	0	0	314	55800	15700	0	0	0	0	0	0
26	0	0	0	6470	75300	14200	0	0	0	0	0	0
27	0	0	0	24200	61000	7590	0	0	0	0	0	0
28	0	0	0	19600	49600	3240	0	0	0	0	0	0
29	0	0	0	4710		1310	0	0	0	0	0	0
30	0	0	0	10800		5830	0	0	0	0	0	0
31	0		0	26900		20000		0		0	0	
Mean	0	0	0	3085	48110	9592	15000	0	0	0	0	0
Ac-Ft	0	0	0	189700	2672000	589800	892700	0	0	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 4344000

TABLE 73

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT COLUSA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10400	10500	10300	19100	37000	39400	34500	16500	12500	7200	8850	9540
2	9510	10400	10200	18400	36400	38400	37100	16100	12100	7410	8970	9510
3	9130	10400	10100	23600	36600	37000	38500	15900	12500	8020	9220	9210
4	8910	10300	10000	22500	38800	35400	40000	15800	15100	7880	9290	9110
5	8700	10200	10000	19300	40200	33800	39400	15700	14500	7250	9250	9180
6	9900	9280	9960	17600	41400	31900	39200	15500	13000	7140	9280	9290
7	10100	10100	9950	16600	40000	29700	39800	15600	11800	7030	9190	9370
8	9850	10200	9890	15900	39200	27300	39200	15600	11400	6980	9160	9570
9	9390	10200	9450	15500	39800	25200	39000	16200	11300	7330	9240	9750
10	9730	9110	8540	15600	39500	23100	37500	16800	12900	7680	9250	9830
11	13400	8770	9190	21600	40000	21900	35100	17300	12700	7800	9340	9940
12	13800	9530	9590	24700	38900	21000	33500	18500	11700	7870	9220	10100
13	12200	10300	9470	25100	40400	20100	31900	21200	13400	7850	9160	10200
14	21300	11500	9030	31300	41500	20100	30700	21400	13800	7900	9090	10100
15	25800	23300	9060	28000	40800	19900	30200	20400	12200	7870	9000	9590
16	18700	22100	9640	23700	41200	21700	29300	19800	11400	7880	8970	9220
17	14700	17500	15500	22000	40400	20300	26900	19500	10900	7970	8990	8560
18	12900	14400	19800	20200	40000	18300	25000	19300	10400	8050	9090	8420
19	12100	13100	23800	19000	41200	17300	24100	19000	10100	8100	9040	8350
20	11500	13300	20900	18000	44800	16800	23100	19000	9700	8160	9050	8270
21	11100	13200	18000	16600	45000	23000	22500	18700	9110	8200	9070	8260
22	10900	13500	19000	16400	43100	35400	22600	18400	8810	8190	9070	8260
23	10800	13400	25900	16200	42100	36600	25000	18400	8570	8170	9190	8300
24	10700	13300	21800	16000	40900	34900	25000	18500	8340	8340	9300	8340
25	11900	13200	18300	23700	42000	34000	24100	18500	8140	8380	9330	8330
26	12200	13000	16800	32500	45400	33700	23400	18100	7990	8310	9660	8330
27	10600	12500	15800	35600	43100	32200	21900	17700	7770	8280	9300	8280
28	11000	12000	16200	35500	41000	30800	19900	16500	7620	8180	9330	8160
29	10800	11300	18400	31900		30000	18200	15600	7410	8340	9400	8140
30	10700	10600	24500	33400		31100	17500	14700	7290	8560	9410	8130
31	10600		21700	36400		34700		13300		8650	9510	
Mean	12040	12350	14540	22960	40740	28230	29800	17530	10820	7902	9201	8988
Ac-Ft	740500	734900	894100	1412000	2263000	1736000	1773000	1078000	643500	485900	565700	534800

E — Estimated NR — No Record

Total Discharge in Acre-Feet 12860000

TABLE 74

DAILY MEAN DISCHAROE
BUTTE CREEK NEAR CHICO

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	145	157	175	359	1080	1520	2570	870	575	304	207	167
2	148	154	175	648	1190	1340	3230	892	640	304	191	163
3	157	157	175	512	1880	1190	2880	908	689	294	191	163
4	157	163	170	428	1840	1060	2070	915	588	285	207	159
5	257	169	175	389	2060	965	1790	892	556	280	187	163
6	222	145	175	353	1650	911	1820	892	530	272	187	167
7	186	148	200	335	1780	830	1540	840	510	272	195	159
8	183	172	170	323	1730	798	1350	855	498	267	195	163
9	163	143	170	329	1700	734	1220	892	536	262	179	167
10	166	175	168	632	1650	686	1190	930	486	258	195	175
11	148	232	165	648	1600	654	1220	1160	480	254	175	167
12	151	179	162	702	4200	678	1210	1060	710	249	195	171
13	426	348	162	702	2500	670	1200	938	640	249	179	171
14	363	1020	165	574	1700	806	1200	892	549	245	195	167
15	251	447	200	499	1800	875	1160	855	510	245	167	167
16	218	347	2000	466	2000	774	1130	862	480	245	187	167
17	202	305	1400	428	1800	702	1120	900	468	245	199	167
18	179	275	1900	408	1600	646	1060	908	450	254	207	167
19	179	270	1000	383	3270	638	1040	878	439	245	191	163
20	179	264	588	371	2400	1540	1020	832	422	241	179	163
21	179	248	944	353	1800	3640	1050	825	405	232	179	163
22	179	231	835	335	1560	2650	1080	832	394	228	175	167
23	205	220	581	335	1400	2680	970	832	389	236	175	195
24	251	220	480	632	4330	2440	900	795	378	232	171	183
25	227	195	434	784	4520	1950	855	766	358	224	171	175
26	218	195	402	1740	2740	1620	832	745	342	215	167	171
27	213	190	383	1230	2100	1400	825	710	332	203	167	163
28	186	185	408	818	1770	1190	818	661	328	199	167	167
29	179	180	440	2000		1480	848	640	323	220	167	175
30	172	175	395	2330		2440	892	594	318	215	167	179
31	169		365	1400		1690		588		215	167	
Mean	202	244	489	692	2130	1329	1336	844	477	248	183	168
Ac-Ft	12410	14500	30070	42540	118300	81710	79520	51890	28410	15250	11270	10020

E — Estimated NR — No Record

Total Discharge in Acre-Feet 495900

TABLE 75

DAILY MEAN DISCHARGE
BUTTE SLOUGH AT OUTFALL GATES

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	179	86	69	0	0	0	0	151	627	142	180	336
2	439	109	31	0	0	0	0	202	633	134	257	391
3	509	131	78	0	0	0	0	196	504	125	198	404
4	535	109	51	0	0	0	0	170	0	143	179	381
5	535	144	78	0	0	0	0	208	213	184	177	346
6	292	202	86	0	0	0	0	183	495	193	172	354
7	292	31	60	0	0	0	0	123	633	202	187	264
8	208	60	78	41	0	0	0	0	627	194	182	187
9	237	101	177	69	0	0	0	0	678	175	153	210
10	109	259	225	0	0	0 E	0	0	213	148	177	197
11	0	196	0	0	0	0 E	0	0	403	157	183	206
12	0	41	51	0	0	0 E	0	0	504	159	190	192
13	0	41	131	0	0	0 E	0	0	0	154	186	182
14	0	0	138	0	0	0 E	0	0	225	166	179	236
15	0	0	117	0	0	0 E	0	0	504	174	181	208
16	0	0	78	0	0	0 E	0	0	598	186	183	254
17	0	0	0	0	0	0 E	0	0	656	184	202	265
18	379	0	0	0	0	0 E	0	0	644	181	239	151
19	369	0	0	0	0	0	0	0	598	184	278	0
20	328	0	0	0	0	196	0	0	535	199	300	0
21	303	0	0	18	0	0	0	0	464	234	301	0
22	287	0	0	0	0	0	0	0	393	266	301	0
23	265	0	0	0	0	0	0	0	364	259	296	0
24	231	0	0	0	0	0	0	0	344	241	304	0
25	0	0	0	0	0	0	0	0	177	216	339	0
26	101	0	0	0	0	0	0	0	228	213	327	0
27	298	0	0	0	0	0	0	0	239	192	295	0
28	138	0	0	0	0	0	0	0	160	195	275	0
29	109	0	0	0		0	0	202	121	198	289	0
30	69	109	0	0		0	0	328	122	193	292	0
31	101		0	0		0		544		182	317	
Mean	204	54.0	46.7	4.1	0	6.3	0	74.4	397	186	236	159
Ac-Ft	12520	3211	2872	254	0	389	0	4576	23610	11450	14520	9449

E — Estimated NR — No Record

Total Discharge in Acre-Feet 82850

TABLE 76

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT MERIDIAN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10900	NR	NR	NR	NR	40000	35300	16400	13400	8200	8920	9680
2	10100	NR	NR	NR	NR	38900	37400	15600	13000	8270	9000	9740
3	9770	NR	NR	NR	NR	37800	38600	15400	13000	8970	9230	9480
4	9580	NR	NR	NR	NR	36400	39900	15300	15300	8990	9290	9360
5	9420	NR	NR	NR	NR	34900	39600	15100	15300	8410	9230	9370
6	10100	NR	NR	NR	NR	33200	39300	14900	14000	8220	9220	9480
7	10600	NR	NR	NR	NR	31100	39700	14900	12700	8120	9170	9550
8	10300	NR	NR	NR	NR	28900	39300	14800	12200	7990	9110	9660
9	9970	NR	NR	NR	NR	26900	39000	15200	12100	8220	9080	9870
10	10000	NR	NR	NR	NR	24700	38000	15800	13200	8450	9130	9960
11	12800	NR	NR	NR	NR	23300	36000	16300	13600	8560	9170	10100
12	14100	NR	NR	NR	NR	22100	34400	17400	12700	8530	9140	10200
13	12600	NR	NR	NR	NR	21000	33000	20100	13700	8520	9070	10400
14	18300	NR	NR	NR	NR	20900	31700	20900	14800	8460	9030	10300
15	26400	NR	NR	NR	NR	20600	31200	20200	13500	8480	9000	9920
16	19400	NR	NR	NR	NR	22400	30400	19500	12600	8440	8950	9610
17	15500	NR	NR	NR	NR	21200	28400	19200	12100	8340	9030	8990
18	13600	NR	NR	NR	NR	19200	26200	19100	11700	8380	9150	8710
19	12700	NR	NR	NR	NR	17900	25200	19000	11300	8380	9190	8540
20	12100	NR	NR	NR	NR	17300	24200	19000	11000	8420	9210	8440
21	11700	NR	NR	NR	NR	21700	23400	18900	10400	8410	9250	8400
22	11500	NR	NR	NR	NR	29600	23300	18700	10000	8410	9250	8440
23	11300	NR	NR	NR	NR	37100	25500	18800	9730	8400	9330	8480
24	11300	NR	NR	NR	NR	35800	25800	19100	9540	8480	9450	8540
25	12000	NR	NR	NR	NR	34900	24900	19300	9320	8580	9510	8540
26	12600	NR	NR	NR	NR	34600	24000	19000	9120	8560	9550	8550
27	11400	NR	NR	NR	NR	33300	22700	18700	8890	8500	9490	8500
28	11500	NR	NR	NR	NR	32100	20400	17500	8700	8440	9490	8460
29	11400	NR	NR	NR		31200	18500	16400	8460	8420	9520	8430
30	11200	NR	NR	NR		32000	17500	15700	8260	8620	9550	8390
31	11000		NR	NR		35300		14300		8720	9640	
Mean	12420					28910	30430	17440	11790	8448	9237	9203
Ac-Ft	763900					1778000	1811000	1072000	701400	519500	568000	547600

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 77

DAILY MEAN DISCHAROE
RECLAMATION DISTRICT 70 DRAINAOE TO SACRAMENTO RIVER

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	4.9	0	16	28	202 E	151	15	53	55	48	42
2	26	2.5	0	4.8	32	202 E	180	14	63	57	57	46
3	17	3.7	0	19	54	202 E	186	14	83	35	98	44
4	8.2	5.5	0	12	72	202 E	186	14	72	43	47	45
5	8.3	4.9	11	16	73	196 E	186	15	72	46	47	42
6	9.6	4.9	0	0	64	117 E	186	37	65	41	46	52
7	20	4.9	0	20	63	94 E	186	46	62	51	48	42
8	26	1.8	0	8.8	81	89 E	186	84	86	49	51	49
9	14	0	0	0	103	86 E	186	66	60	44	52	44
10	9.6	4.0	0	16	103	68	184	94	72	44	61	44
11	10	0	0	14	103	37	174	102	65	48	48	45
12	5.2	0	0	13	148	47	122	92	82	51	41	42
13	8.0	0	9.4	11	159	38	76	97	82	51	43	42
14	22	0	0	13	122	35	69	104	82	51	46	30
15	20	11	16	16	103	56	60	73	80	56	54	27
16	17	7.7	6.9	8.2	90	50	54	64	66	58	68	24
17	12	0	6.2	13	87	43	53	39	71	55	68	16
18	9.2	0	9.1	14	116	32	36	42	56	58	55	16
19	9.7	0	6.5	0	186	40	32	64	44	55	48	19
20	6.6	0	0	18	186	36	32	85	42	54	48	16
21	8.0	0	7.7	11	184	128	33	57	27	45	99	16
22	7.4	0	11	0	184	182	27	92	36	46	75	15
23	9.8	14	4.9	16	188 E	180	9.7	107	22	58	112	16
24	7.1	3.7	0	9.4	197 E	182	19	101	26	59	102	13
25	8.0	0	16	14	208 E	164	26	96	61	63	102	15
26	7.4	0	2.4	19	199 E	89	26	97	43	56	84	20
27	5.5	0	0	71	196 E	85	27	95	36 E	56	36	7.9
28	7.1	0	9.4	68	199 E	83	31	70	47	55	50	12
29	7.4	10	10	36		76	22	55	32	49	37	5.8
30	5.3	0	0	31		85	15	98	48	52	47	12
31	5.1		0	33		84		56		48	57	
Mean	11.5	2.8	4.1	17.5	126	104	92.0	67.3	57.9	51.3	60.8	28.7
Ac-Ft.	707	166	251	1073	6998	6367	5476	4136	3443	3152	3739	1705

E — Estimated NR — No Record

Total Discharge in Acre-Feet 37210

TABLE 78

DAILY MEAN DISCHARGE
TISDALE WEIR SPILL TO SUTTER BYPASS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	12200	12500 E	12300	0	0	0	0	0
2	0	0	0	0	12200 E	11500 E	13500 E	0	0	0	0	0
3	0	0	0	55	12200 E	10000 E	14000 E	0	0	0	0	0
4	0	0	0	185	13000 E	9000 E	15000	0	0	0	0	0
5	0	0	0	0	13800	7000 E	15000 E	0	0	0	0	0
6	0	0	0	0	17300	6500 E	14000 E	0	0	0	0	0
7	0	0	0	0	17300 E	4800 E	14000 E	0	0	0	0	0
8	0	0	0	0	17000 E	3200 E	14500 E	0	0	0	0	0
9	0	0	0	0	17000 E	2000 E	14500 E	0	0	0	0	0
10	0	0	0	0	17000 E	670 E	14000 E	0	0	0	0	0
11	0	0	0	0	17000 E	130 E	12600	0	0	0	0	0
12	0	0	0	383	17000 E	0	9710	0	0	0	0	0
13	0	0	0	453	17000 E	0	7670	0	0	0	0	0
14	0	0	0	5440	17500 E	0	6120	0	0	0	0	0
15	1290	17	0	3830	18000 E	0	5610	0	0	0	0	0
16	10	140	0	693	18000 E	0	4980	0	0	0	0	0
17	0	0	0	16	17000 E	0	3090	0	0	0	0	0
18	0	0	0	0	16000 E	0	1290	0	0	0	0	0
19	0	0	108	0	16000 E	0	757	0	0	0	0	0
20	0	0	102	0	15000 E	0	383	0	0	0	0	0
21	0	0	0	0	14000	240 E	207	0	0	0	0	0
22	0	0	0	0	13500 E	8700 E	107	0	0	0	0	0
23	0	0	812	0	13000 E	11000 E	714	0	0	0	0	0
24	0	0	352	0	13000 E	10000 E	980	0	0	0	0	0
25	0	0	0	139	14000 E	9500 E	614	0	0	0	0	0
26	0	0	0	5030	14600	8800 E	293	0	0	0	0	0
27	0	0	0	8550	13500 E	7200 E	49	0	0	0	0	0
28	0	0	0	10900	13000 E	6800 E	0	0	0	0	0	0
29	0	0	0	6350		6600 E	0	0	0	0	0	0
30	0	0	159	6810		6800 E	0	0	0	0	0	0
31	0		74	10600		10500		0		0	0	
Mean	41.9	5.2	51.8	1911	15220	4950	6532	0	0	0	0	0
Ac-Ft	2579	311	3187	117500	845200	304300	388700	0	0	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1662000

TABLE 79

DAILY MEAN DISCHARGE
SACRAMENTO RIVER BELOW WILKINS SLOUGH

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10400	10900	10400	20200	26400	26900	24700	15100	12100	6380	7560	8960
2	9810	10800	10200	18700	26300	26300	25200	14300	11700	6360	7680	9100
3	9400	10700	10100	21100	26100	25900	25800	13800	11500	6920	7960	8930
4	9170	10600	9970	22800	26500	25300	26300	13700	13100	7190	8040	8830
5	8980	10500	9980	20500	26900	24700	26300	13600	13800	6760	7980	8890
6	9340	9820	9880	18400	27200	24200	26200	13500	12700	6450	8010	9050
7	10100	10000	9820	17200	27200	23700	26300	13500	11600	6370	7980	9180
8	9850	10200	9800	16400	26800	23200	26100	13500	11200	6180	7990	9300
9	9570	10200	9600	15900	26700	22700	26000	13700	11000	6240	7940	9560
10	9420	9670	8920	15700	26600	22000	25700	14300	11600	6510	8000	9700
11	11200	9060	8800	18800	26700	21300	25100	14700	12400	6730	8090	9820
12	13200	9130	9400	23300	26400	20500	24500	15400	11500	6810	8050	9940
13	12200	9910	9530	23400	26400	19500	24000	17500	11700	6830	8000	10100
14	15600	10300	9270	25000	26900	19100	23700	18700	13100	6810	7960	10100
15	22000	17200	9250	24700	26800	18900	23500	18200	12100	6800	7940	9780
16	19100	21600	9510	23500	26800	20200	23400	17600	11200	6810	7930	9530
17	15200	18400	12400	22400	26700	19700	23000	17200	10700	6740	8040	9010
18	13100	15200	17900	21100	26600	17900	22500	17100	10200	6840	8120	8660
19	12100	13400	21100	19800	26700	16700	22200	17100	9770	6900	8220	8510
20	11600	12900	21500	18700	27700	16000	21800	17000	9400	6980	8250	8390
21	11300	12900	18600	17300	28800	18100	21600	17000	8780	7010	8300	8320
22	11100	13000	17800	16600	28500	24100	21400	16700	8340	6940	8230	8340
23	11000	13100	22400	16400	27800	25000	22100	16700	8080	6980	8400	8360
24	11000	12900	22300	16200	27300	24900	22300	16900	7870	7060	8540	8430
25	11400	12800	19400	19200	27100	24600	22000	17100	7620	7160	8680	8460
26	12300	12600	17400	25000	28500	24500	21600	16800	7380	7220	8720	8460
27	11600	12400	16200	25900	28700	24200	21000	16400	7140	7200	8700	8450
28	11300	11900	16100	26300	27800	23800	19300	15800	6860	7210	8700	8390
29	11400	11500	17000	25400		23600	17400	14800	6660	7140	8780	8340
30	11200	10800	21900	25400		23700	16200	14100	6460	7250	8790	8330
31	11000		22300	26100		24400		13100		7380	8900	
Mean	11800	12150	14150	20880	27100	22440	23240	15640	10250	6844	8211	8974
Ac-Ft	725800	722800	870200	1284000	1505000	1380000	1383000	961800	610000	420800	504900	534000

E — Estimated NR — No Record

Total Discharge in Acre-Feet 10900000

TABLE 80

DAILY MEAN DISCHARGE
SACRAMENTO RIVER ABOVE RECLAMATION DISTRICT 108 PUMPING PLANT

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	10400	NR	NR	NR	NR	26600 E	24400 E	14300	12100	6950 E	7490	8940
2	9570	NR	NR	NR	NR	26100 E	24600 E	13400	11600	7030 E	7630	9120
3	9060	NR	NR	NR	NR	25600 E	24700 E	12900	11300	7310 E	7920	8890
4	8790	NR	NR	NR	NR	25200 E	25600 E	12700	12800	7870	8140	8760
5	8580	NR	NR	NR	NR	24900 E	26100 E	12400	14000	7390	8080	8810
6	8680	NR	NR	NR	NR	24100	26000 E	12400	12800	7080 E	8130	8980
7	9460	NR	NR	NR	NR	23500	26400 E	12000	11700	7210 E	8070	9160
8	9420	NR	NR	NR	NR	23100	26300 E	12100	10900	7270 E	8100	9320
9	9220	NR	NR	NR	NR	23600	26100 E	12300	10600	7310 E	8050	9530
10	9020	NR	NR	NR	NR	22100	26000 E	13100	11100	7290 E	8160	9760
11	10100	NR	NR	NR	NR	21600	24900 E	13400	12400	7250 E	8100	9820
12	12400	NR	NR	NR	NR	21100	24200	14300	11500	7470	8100	10000
13	12000	NR	NR	NR	NR	20200	23600	16700	11500	7440	8000	10100
14	13700	NR	NR	NR	NR	20100	23300	18000	13300	7420 E	7950	10200
15	19200	NR	NR	NR	NR	19500	23200	17800	12400	7480 E	7820	9870
16	18000	NR	NR	NR	NR	20800	23100	17100	11400	7480 E	7780	9540
17	15000	NR	NR	NR	NR	20600	22500	16600	10800	7470 E	7900	8970
18	13200	NR	NR	NR	NR	18600	22000	16700	10300	7400 E	8040	8520
19	12100	NR	NR	NR	NR	17400	21500	16300	9980	7340 E	8100	8420
20	11500	NR	NR	NR	NR	16600	21100	16300	9600	7370 E	8140	8310
21	11000	NR	NR	NR	NR	18500	21000	16400	9100	7400 E	8110	8250
22	10700	NR	NR	NR	NR	24600	20500	16200	8580	7360 E	8180	8230
23	10500	NR	NR	NR	NR	24900 E	21300	16200	8470	7400 E	8250	8250
24	10400	NR	NR	NR	NR	24600 E	21700	16600	8260	7440 E	8500	8320
25	10600	NR	NR	NR	NR	24400 E	21500	16900	8050	7420 E	8630	8380
26	11400	NR	NR	NR	NR	24200 E	21200	16700	7840	7300	8690	8400
27	11000	NR	NR	NR	NR	24000 E	20900	16400	7600	7350	8630	8470
28	10600	NR	NR	NR	NR	23700 E	19100	15700	7320	7280 E	8840	8360
29	10600	NR	NR	NR		23400 E	17000	14700	7190	7340 E	8820	8300
30	10400	NR	NR	NR		23400 E	15600	14000	6970	7330 E	8760	8250
31	10300		NR	NR		24100 E		13000		7330	8860	
Mean	11190					22620	22850	14950	10380	7348	8195	8941
Acr-Ft.	688100					1391000	1359000	919500	617800	451800	503900	532000

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 81

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

In second-feet

Date	1957			1959								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	105	38	0	80	167	636	571	104	561	260	317	434
2	72	19	50	0	0	536	648	139	384	208	370	428
3	63	0	0	90	284	245	660	153	456	208	374	406
4	66	38	0	0	261	148	648	136	472	312	380	400
5	28	0	44	103	297	236	564	156	425	208	312	403
6	0	45	0	0	254	127	636	201	432	312	387	403
7	46	0	0	94	297	162	567	153	387	211	355	391
8	44	35	0	0	250	127	374	286	439	317	312	400
9	43	16	49	96	250	77	281	257	342	312	364	415
10	28	0	0	0	250	97	250	278	390	312	393	410
11	54	48	0	0	203	114	187	278	378	208	361	302
12	46	0	0	95	374	99	140	365	393	317	332	348
13	33	38	0	84	339	104	148	358	393	317	361	208
14	81	0	0	0	250	106	132	358	425	317	332	167
15	55	42	64	88	146	95	125	358	417	317	312	209
16	43	0	51	0	166	101	106	365	348	312	322	151
17	41	0	46	91	172	101	111	365	315	317	354	69
18	51	50	61	0	379	91	101	547	288	317	426	99
19	30	0	67	68	600	86	90	358	293	317	361	96
20	30	0	48	0	660	90	76	402	235	363	370	61
21	40	0	43	0	648	362	89	402	298	317	390	64
22	0	52	0	96	648	397	76	409	223	317	367	61
23	60	0	80	0	636	452	76	416	298	317	397	58
24	0	0	0	0	601	374	65	696	245	317	326	63
25	54	55	54	0	660	250	65	684	202	317	374	93
26	28	0	20	452	660	199	59	593	256	317	384	90
27	0	0	0	205	660	192	59	418	252	419	374	99
28	59	0	46	197	648	172	66	418	208	348	358	62
29	0	43	0	159		127	78	425	312	312	349	54
30	48	0	63	81		172	80	513	208	370	378	26
31	0		0	131		119		378		317	344	
Mean	40.3	17.3	25.4	71.3	384	200	238	354	342	304	359	219
Acr-Ft	2475	1029	1559	4383	21340	12290	14140	21760	20380	18700	22090	13010

E — Estimated NR — No Record Total Discharge in Acre-Feet 153200

TABLE 82

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER

In second-feet

Date	1957			1958								
	Oct	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15				RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS								
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Mean	2.1	1.0	3.3	12.3	44.2	40.6	37.2	54.4	48.2	46.4	59.8	25.7
Ac-Ft	129	58	200	755	2452	2495	2215	3343	2871	2851	3680	1528

E — Estimated NR — No Record

Total Discharge in Acre-Feet 22560

TABLE 83

DAILY MEAN DISCHARGE
STONE CORRAL CREEK NEAR SITES

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							191	16	2.0	0.1	0	0
2							619	16	1.9	0.1	0	0
3							147	17	1.9	0.1	0	0
4							108	18	1.8	0.2	0	0
5							168	17	1.7	0.1	0	0
6							205	17	1.6	0.1	0	0
7							101	17	1.5	0.1	0	0
8							76	17	1.6	0.1	0	0
9							67	17	1.6	0.1	0	0
10							59	16	1.9	0.1	0	0
11							52	25	1.9	0.1	0	0
12							47	19	2.0	0.1	0	0
13							42	15	1.7	0	0	0
14							37	14	1.4	0	0	0
15							34	14	0.9	0	0	0
16							31	13	0.8	0	0	0
17							29	13	0.7	0	0	0
18							27	12	0.6	0	0	0
19							24	11	0.6	0	0	0
20							22	11	0.7	0	0	0
21							20	9.7	0.6	0	0	0
22							18	10	0.6	0	0	0
23							16	12	0.4	0	0	0
24							16	5.6	0.3	0	0	0
25							15	4.2	0.3	0	0	0
26						34 E	14	3.6	0.2	0	0	0
27						36	14	3.0	0.2	0	0	0
28						32	15	2.6	0.1	0	0	0
29						135	15	2.4	0.1	0	0	0
30						100	15	2.6	0.1	0	0	0
31						44		2.3		0	0	
Mean							74.8	12.0	1.1	0.0	0	0
Ac-Ft							4451	740	63	3	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 84

DAILY MEAN DISCHARGE
COLUSA BASIN DRAIN AT HIGHWAY 20

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	679 E	174	69	134	2370	6030	2220	384	1290	687	910	1100
2	481	160	77	346	2040	3980	2620	488	1240	687	900	1100
3	395	149	80	581	2460	3250	2850	382	1220	689	900	1120
4	320	150	87	371	2720	3020	3100	416	1200	757	894	1200
5	296	134	102	306	2980	2770	3230	373	1170	803	880	1280
6	346	133	109	248	3280	2450	3260	353	1160	831	865	1340
7	387	130	102	215	4240	2060	3250	318	1150	823	815	1400
8	344	117	105	191	5000	1660	3230	391	1160	801	829	1390
9	306	112	104	176	4770	1420	3180	438	1240	774	857	1380
10	792	117	106	426	4660	1160	3020	475	1270	751	873	1350
11	1440	109	111	693	4770	956	2750	621	1270	815	880	1280
12	1370	104	108	613	5220	815	2310	1020	1350	823	833	1250
13	1360	106	106	642	6130	751	1820	1190	1350	865	819	1140
14	1590	112	97	743	5980	707	1390	1110	1260	896	865	1030
15	1630	112	125	592	4930	833	1040	1020	1150	896	863	929
16	1480	109	216	516	3510	731	878	989	1030	904	882	721
17	1160	112	304	447	3130	586	770	1040	900	999	1000	689
18	764	109	380	435	2960	507	656	1070	839	1040	1090	664
19	562	109	374	422	3280	438	563	1130	797	1080	1160	556
20	409	104	334	398	8980	471	518	1190	780	1090	1190	529
21	325	111	299	318	23900	1820	642	1220	778	1080	1190	516
22	274	98	260	250	18800	2700	677	1330	770	1030	1170	514
23	264	90	242	213	11500	2820	598	1650	784	960	1140	503
24	315	90	208	243	7670	3070	492	1900	799	916	1070	429
25	281	91	181	428	7910	3170	522	2000	762	888	1040	366
26	264	88	178	1660	14600	3080	466	2030	759	841	1030	357
27	234	90	160	2530	16900	2880	490	1980	666	884	1050	292
28	214	85	144	2570	10400	2540	709	1780	654	929	1040	308
29	197	77	144	2630		2060	674	1580	629	972	1040	339
30	187	62	141	2720		2140	496	1500	660	906	1080	339
31	187		136	2640		2120		1400		902	1080	
Mean	608	111	167	797	6968	2032	1614	1057	1003	881	975	847
Ac-Ft	37390	6633	10290	48990	387000	124900	96040	64990	59680	54190	59970	50400

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1000000

TABLE 85

DAILY MEAN DISCHARGE
COLUSA BASIN DRAIN NEAR COLLEGE CITY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	902	199	48	200 E	2690							
2	568	176	65	380 E	2680							
3	440	156	79	640 E	2760							
4	360	163	86	500 E	2900							
5	329	150	104	400 E	3050							
6	395	141	126	320 E	3190							
7	473	145	112	280 E	3470							
8	434	139	112	250 E	3890							
9	412	124	118	230 E	4380							
10	617	132	118	450 E	4590							
11	1320	134	132	720 E	4600							
12	1480	124	110	760 E	4770							
13	1550	118	98	700 E	5010							
14	1650	128	86	800 E	5240							
15	1800 E	134	85	720 E	5390							
16	1700 E	126	158	600 E	5360							
17	1400 E	118	279	520 E	5190							
18	1000 E	116	321	470 E	5240							
19	700 E	124	423	470 E								
20	529	124	390 E	450 E								
21	375	128	350 E	400 E								
22	308	128	310 E	330 E								
23	284	120	280 E	300 E								
24	334	112	250 E	330 E								
25	316	110	225 E	500 E								
26	292	102	210 E	1470								
27	277	96	190 E	2120								
28	252	96	175 E	2300								
29	234	85	175 E	2440								
30	218	51	160 E	2550								
31	206		155 E	2650								
Mean	682	127	178	815								
Ac-Ft	41960	7535	10970	50080								

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 86

DAILY MEAN DISCHARGE
COLUSA BASIN DRAIN AT KNIGHTS LANDING

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	967	360	340	0	0	0	0	0	0	508	825	938
2	702	344	316	0	0	0	0	0	0	576 E	825	1040
3	532	224	212	0	0	0	0	0	0	552 E	830	1070
4	444 E	212	195	0	0	0	0	0	0	516 E	835	1310 E
5	371 E	209	195	0	0	0	0	0	0	600 E	825	1500
6	355 E	214	193	0	0	0	0	0	0	676 E	810	1500 E
7	422 E	179	202	0	0	0	0	0	494	724 E	790	1540 E
8	496 E	163	197	0	0	0	0	0	652	776	735	1460 E
9	432 E	170	193	0	0	0	0	0	766	700	700	1310 E
10	364	181	202	308	0	0	0	0	794	664	705	1240 E
11	644	172	163	124	0	0	0	0	696	660 E	745	1150
12	836	145	149	0	0	0	0	0	758	654 E	770	1070
13	1030	117	151	0	0	0	0	0	748	668	750	1010
14	854	155	157	0	0	0	0	0	388	672	735	832
15	0	0 E	147	0	0	0	0	0	476	728	740	788
16	0	0 E	133	0	0	0	0	0	528	776	745	640
17	758	0 E	0	0	0	0	0	0	564	792	775	568
18	978	0 E	0	0	0	0	0	0	600	921	937	560
19	908	0 E	0	0	0	0	0	0	644	990	1070	584
20	862	0 E	0	0	0	0	0	0	678	990	1210	539
21	640	220	0	0	0	0	0	0	784	1090	1290	378
22	530	414	0	0	0	0	0	0	730	1100	1230	296
23	434	476	0	0	0	0	0	0	560	1030	1220	313
24	444	520	0	0	0	0	0	0	505	839	1220	376
25	426	520	0	0	0	0	0	0	540	800	1190	373
26	416	564	0	0	0	0	0	0	588	840	1070	367
27	480	520	0	0	0	0	0	0	632	795	973	364
28	444	486	0	0	0	0	0	0	580	795	952	364
29	408	426	0	0		0	0	0	540	860	959	259
30	384	408	0	0		0	0	0	496	915	952	202
31	376		0	0		0		0		875	945	
Mean	546	247	101	13.9	0	0	0	0	491	777	915	798
Ac-Ft.	33590	14680	6238	857	0	0	0	0	29240	47790	56250	47490

E — Estimated NR — No Record

Total Discharge in Acre-Feet 236100

TABLE 87

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15				RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS								
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Mean	0.5	0.3	0.6	1.2	18.6	8.0	17.3	39.2	22.0	20.2	19.6	7.4
Ac-Ft	30	15	36	73	1033	494	1030	2408	1309	1240	1204	443

E — Estimated NR — No Record

Total Discharge in Acre-Feet 9315

TABLE 88

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT KNIGHTS LANDING

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13100	11100	11200	20600	25100	28200	24800	14800	12800	7010	8460	10200
2	11500	11000	10900	19100	25400	26800	25300	14100	12400 E	7070	8740	10500
3	10400	10800	10700	20100	25200	26100	25800	13600 E	12800 E	7280	9220	10600
4	9550	10800	10500	23200	26000	25500	26800	13300 E	13500 E	7910	9210	10400
5	9350	10600	10500	21300	26500	24800	27000	13200 E	14200 E	7660	9040	10500
6	9190	10200	10500	18800	26800	24300	26800	13200 E	13600 E	7450	8940	10700
7	9850	9940	10400	17700	27000	23700	26800	13100 E	13000 E	7220	8850	10900
8	9920	10400	10400	16900	26600	23000	26700	13200 E	12000 E	7120	8750	11100
9	10500	10300	10300	16200	26700	22700	26500	13800 E	12400 E	6970	8610	11900
10	10200	10100	9670	16000	26600	22100	26000	14000 E	13000 E	7270	8820	12100
11	11700	9280	9220	17700	26600	21700	25200	14200	13200	7520	8850	12100
12	15400	8980	9810	22900	26600	22000	24400	15000	13000 E	7610	8950	12200
13	15200	9520	10100	23200	26600	19800	23900	17100	13500 E	7600	8860	12100
14	16500	10000	10000	24500	27100	19400	23300	18500	14000 E	7520	8930	12200
15	24500	14600	9800	24900	27000	19400	23200	18300	13500	7590	8800	12000
16	22800	23800	10200	23600	27000	20600	22800	17700	12500	7430	8660	11300
17	18700	21300	11800	22300	27100	20600	23000	17300	11600	7430	8880	10700
18	15800	17500	16600	21300	27000	18700	22200	17200	11000	7520	9090	10100
19	14500	15000	20700	19900	27400	17100	21500	17300	10700	7690	9430	9670
20	13500	13700	22000	18900	27900	17100	21400	17200	10600	7810	9440	9300
21	12700	13900	19400	18000	29100	17900	21000	17300	10200	7780	9660	8980
22	12200	13900	17500	16900	29400	22700	20700	17200 E	9630	7850	9490	8860
23	12100	14200	21700	16700	28900	24400	21400	17100	9130	7640	9600	8860
24	11900	14200	22700	16300	28400	24800	22200	17400	8740	7580	9770	9040
25	11700	14300	20100	17800	27300	24300	21700	17800	8440	7600	9870	9030
26	12800	14200	17900	24100	28300	24200	21700	18000	8000 E	7700 E	9910	8960
27	12700	13800	16200	24000	29300	24100	20900	17100	7800 E	8010	9910	8990
28	11900	13300	16000	24400	28900	23900	19100	16500 E	7600 E	7760	9880	8980
29	11800	13000	16600	24300		24200	17300	15800	7300 E	7870	9930	8720
30	11500	12000	20800	23600		23600	15800	15200	7100 E	8030	10000	8680
31	11200		22500	24500		23700		14000 E		8300	9980	
Mean	13050	12860	14410	20640	27210	22630	23170	15790	11240	7574	9243	10320
Acr-Ft	802600	765100	886000	1269000	1511000	1391000	1379000	970900	668900	465700	568300	614200

E — Estimated NR — No Record

Total Discharge in Acre-Feet 11290000

TABLE 89

DAILY MEAN DISCHARGE
FREMONT WEIR SPILL TO YOLO BYPASS

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	26900	104000	38300	0	0	0	0	0
2	0	0	0	0	28300	83400	59800	0	0	0	0	0
3	0	0	0	0	37900	65800	96200	0	0	0	0	0
4	0	0	0	0	47300	52200	99500	0	0	0	0	0
5	0	0	0	0	52200	37900	88500	0	0	0	0	0
6	0	0	0	0	63200	28300	83400	0	0	0	0	0
7	0	0	0	0	72000	17200	82500	0	0	0	0	0
8	0	0	0	0	72900	7750	77000	0	0	0	0	0
9	0	0	0	0	73400	2220 E	70200	0	0	0	0	0
10	0	0	0	0	73400	75 E	65800	0	0	0	0	0
11	0	0	0	0	72000	0	57200	0	0	0	0	0
12	0	0	0	0	73800	0	43300	0	0	0	0	0
13	0	0	0	0	88100	0	34100	0	0	0	0	0
14	0	0	0	0	93800	0	26900	0	0	0	0	0
15	0	0	0	0	90900	0	21800	0	0	0	0	0
16	0	0	0	0	91400	0	18800	0	0	0	0	0
17	0	0	0	0	93300	0	14800	0	0	0	0	0
18	0	0	0	0	89000	0	11300	0	0	0	0	0
19	0	0	0	0	92300	0	7750	0	0	0	0	0
20	0	0	0	0	117000	0	4510	0	0	0	0	0
21	0	0	0	0	147000	0	3250	0	0	0	0	0
22	0	0	0	0	143000	656 E	2810	0	0	0	0	0
23	0	0	0	0	117000	25200	3250	0	0	0	0	0
24	0	0	0	0	96600	47700	3500	0	0	0	0	0
25	0	0	0	0	122000	52200	1790 E	0	0	0	0	0
26	0	0	0	0	172000	44100	203 E	0	0	0	0	0
27	0	0	0	0	170000	35600	2.0E	0	0	0	0	0
28	0	0	0	361 E	136000	26200	0	0	0	0	0	0
29	0	0	0	3560 E		15400	0	0	0	0	0	0
30	0	0	0	15100		15400	0	0	0	0	0	0
31	0		0	28300		29700		0		0	0	
Mean	0	0	0	1526	91170	22290	33880	0	0	0	0	0
Acr-Ft	0	0	0	93860	5063000	1371000	2016000	0	0	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 8544000

TABLE 90

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH*

In second-feet

Date	1956			1957								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	90	0	0	39	0	55	31	466	192	197	252	537
2	90	0	0	40	16	59	32	346	509	206	265	546
3	90	0	0	42	20	308	0	230	256	206	266	523
4	90	0	0	42	23	115	33	230	214	220	261	500
5	89	49	0	45	23	174	61	278	283	239	272	510
6	60	24	0	47	26	112	61	98	253	232	260	488
7	91	0	0	44	23	173	55	230	290	223	264	476
8	60	24	0	31	23	171	45	363	160	232	269	485
9	61	24	16	16	20	57	37	475	357	209	283	480
10	61	24	20	12	20	280	35	357	244	206	289	467
11	93	24	16	12	26	115	49	293	260	220	311	510
12	59	32	12	12	23	119	43	433	263	209	311	466
13	60	24	0	403	20	120	0	288	263	213	292	440
14	60	24	0	36	23	61	0	290	66	219	287	473
15	60	24	12	36	20	123	70	291	246	213	274	440
16	30	36	16	33	20	62	55	356	390	233	286	424
17	62	32	16	24	12	147	75	290	398	244	302	407
18	31	32	16	0	20	62	43	260	205	229	301	398
19	30	32	20	0	12	62	56	631	290	249	300	398
20	61	32	16	0	12	125	60	409	298	244	300	359
21	60	24	16	0	12	63	64	608	274	244	304	325
22	95	24	16	0	264	63	92	606	287	289	304	336
23	58	24	16	0	95	64	51	476	200	289	187	336
24	56	24	20	0	182	64	94	364	232	277	192	315
25	43	24	23	0	60	64	97	309	237	270	188	293
26	43	0	20	0	166	56	98	477	221	270	312	216
27	45	2.0	20	0	110	59	49	249	223	277	1000	190
28	61	0	26	0	170	61	0	251	213	260	527	139
29	44	0	31	0		62	466	253	220	282	496	293
30	0	0	35	0		63	380	483	206	274	492	96
31	85		35	0		62		255		274	513	
Mean	61.9	18.6	13.5	29.5	51.5	103	74.4	353	258	240	328	396
Ac-Ft.	3804	1109	829	1813	2858	6309	4427	21710	15370	14770	20150	23540

E — Estimated NR — No Record

Total Discharge in Acre-Feet 116700

* Revised 1957 water year record.

TABLE 91

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	96	64	160	0	117	510	883	123	708	197	582	617
2	96	56	0	0	578	513	1180	186	363	260	576	497
3	96	0	0	127	453	456	1540	186	416	407	563	489
4	96	77	0	127	472	334	1220	98	426	416	563	534
5	96	95	0	234	476	389	666	188	435	473	582	515
6	96	4.0	0	0	450	404	816	282	454	487	589	513
7	94	0	0	0	488	331	716	313	465	480	589	504
8	81	0	145	64	502	272	480	282	474	487	589	464
9	96	0	0	193	540	267	456	313	406	501	595	509
10	96	115	0	0	386	291	415	376	425	510	576	475
11	94	0	0	0	347	180	363	516	496	516	571	410
12	0	0	0	206	1150	244	336	372	142	524	571	397
13	150	24	0	127	489	184	316	557	485	531	589	322
14	0	0	0	63	508	353	317	652	396	531	589	299
15	25	0	211	63	508	182	278	594	652	524	607	256
16	72	0	0	125	677	182	263	644	391	524	629	244
17	44	0	128	125	346	183	240	372	408	544	619	194
18	85	0	0	75	484	184	197	943	480	550	650	125
19	88	0	188	127	1480	185	234	547	380	556	602	154
20	58	0	0	64	1480	201	225	573	427	550	624	129
21	0	0	0	128	1110	423	193	581	368	544	610	158
22	0	0	174	64	658	356	215	584	392	537	593	97
23	65	0	0	128	510	508	169	596	469	544	585	130
24	96	184	0	128	858	522	173	612	404	550	576	136
25	93	0	186	0	1450	376	178	1040	415	550	530	96
26	0	0	0	570	1380	381	172	582	420	571	555	97
27	0	0	0	244	989	370	181	592	389	589	565	96
28	96	115	0	242	713	319	182	597	375	563	577	96
29	95	0	293	241		324	183	492	426	571	477	96
30	0	0	0	313		405	184	831	360	563	563	95
31	0		0	231		342		372		576	707	
Mean	61.7	24.5	47.9	129	700	328	433	484	428	507	587	291
Ac-Ft.	3796	1456	2945	7952	38870	20170	25730	29740	25480	31190	36090	17340

E — Estimated NR — No Record

Total Discharge in Acre-Feet 240800

TABLE 92

DAILY MEAN DISCHARGE
SACRAMENTO SLOUGH AT SACRAMENTO RIVER

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	661	391	430	1310	NR	NR	NR	1770	3210	757	812	1140 E
2	666	402	314	1250	NR	NR	NR	2300	3420	659	801	1170 E
3	676	415	266	952	NR	NR	NR	1840	2590	773	811	1240
4	661	369	264	929	NR	NR	NR	1780	1950	812	812	1200
5	454	388	243	1540	NR	NR	NR	1740	2540	898	807	1210
6	394	334	324	1930	NR	NR	NR	1680	2790	914	751	1170
7	471 E	245	209	1690	NR	NR	NR	1670	2850	955	737	1160
8	408 E	268	364	1400	NR	NR	NR	1680	2450	939	689	1090
9	442 E	230	281	1310	NR	NR	NR	1720	1950	901	689	1170
10	409 E	370	310	1360	NR	NR	NR	1630	1640	857	708	1120
11	724 E	350	242	1180	NR	NR	NR	1570	1410	831	746	1100
12	627 E	253	173	928	NR	NR	NR	1550	1630	819	779	1090
13	530	341	272	1150	NR	2950	NR	NR	1220	820	886	1050
14	73	268	252	1320	NR	3020	NR	NR	1090	761	925	957
15	0	0	410	2390	NR	1850	NR	NR	1650	750	896	894
16	1080	485	307	3610	NR	1940	NR	NR	1820	785	950	766
17	1770	1340	171	4170	NR	2160	NR	NR	1780	878	914	736
18	1400	1230	0	3940	NR	2520	NR	NR	1750	846	928	603
19	963	905	0	3500	NR	3350	NR	NR	1770	831	1010	554
20	830	709	1010	3010	NR	3390	NR	NR	1530	834	1100	547
21	672	621	1840	2440	NR	1700	NR	NR	1460	810	977	425
22	558	614	1360	2230	NR	NR	NR	NR	1370	834	982	417
23	502	513	691	1790	NR	NR	NR	NR	1300	852	974	434
24	543	592	1370	1710	NR	NR	NR	NR	1020	848	988	468
25	441	561	2900	939	NR	NR	NR	NR	941	845	979	394
26	421	502	2960	380	NR	NR	NR	NR	974	875	975	413
27	487	469	2350	NR	NR	NR	NR	NR	959	924	953	403
28	466	509	1720	NR	NR	NR	NR	NR	767	897	964	395
29	479	353	1500	NR		NR	NR	NR	729	838	1010	380
30	403	314	880	NR		NR	NR	2450	807	803	1070	338
31	373		862	NR		NR		2770		793	1190 E	
Mean	373	478	783						1712	837	897	801
Ac-Ft	36860	28440	48150						101900	51450	55170	47670

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 93

DAILY MEAN DISCHARGE
BUTTE SLOUGH AT MAWSON BRIDGE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	415	250	248	698	19400	74600	16600	1310	760	179	213	251
2	347	242	229	794	27800	60600	22600	1180	704	174	211	261
3	267	234	223	1100	27800	49700	36000	1120	683	181	195	233
4	258	223	212	1270	32800	38700	48800	1100	994	177	197	211
5	238	216	209	1320	43700	28400	53600	1050	1030	167	193	208
6	263	155	206	1350	57900	21300	54600	1010	818	168	195	219
7	298	179	202	1330	63100	14000	56500	1000	656	173	199	199
8	254	194	199	1250	58200	8830	55600	959	574	163	195	192
9	212	197	190	1120	56900	5900	53300	929	538	189	185	212
10	213	154	139	997	56900	4760	48700	788	632	193	208	215
11	351	110	138	1080	57500	3880	38500	671	719	192	222	229
12	434	119	178	1170	55100	3180	27900	777	593	189	213	243
13	436	182	183	1240	56600	2720	19800	856	683	188	200	251
14	482	226	159	1330	66700	2490	13800	925	907	208	192	248
15	692	369	154	1730	67800	2320	9340	948	716	197	199	203
16	883	494	181	1900	68700	2190	6200	937	614	181	204	176
17	832	528	398	1910	66600	2110	4960	918	551	181	216	126
18	671	513	937	1870	62300	2090	4020	896	512	180	230	95
19	504	481	1220	1770	64300	2030	3280	866	469	186	229	66
20	428	403	1340	1670	88700	1860	2780	862	416	199	223	56
21	380	349	1480	1550	125000	2090	2450	856	340	204	219	56
22	352	325	1650	1470	113000	6910	2220	876	294	211	220	59
23	329	310	1710	1380	94600	21600	2040	948	149	194	222	59
24	317	299	1670	1310	79000	27000	1900	1060	135	195	227	61
25	370	301	1580	1380	78100	25400	1790	1120	126	191	237	62
26	443	303	1420	1820	112000	22700	1700	1170	153	199	227	61
27	332	316	1200	6860	115000	18900	1610	1230	144	194	211	61
28	313	315	907	17000	94100	14000	1540	1270	114	203	205	60
29	300	309	798	17000		9310	1450	1250	127	209	215	96
30	279	277	754	14600		7430	1390	1120	161	206	226	85
31	262		716	18300		11300		896		198	240	
Mean	392	286	672	3534	68200	16070	19830	997	510	189	212	152
Ac-Ft	24110	17000	41320	217300	3788000	988400	1180000	61290	30370	11640	13030	9033

E — Estimated NR — No Record

Total Discharge in Acre-Feet 6381000

TABLE 94

DAILY MEAN DISCHARGE
WADSWORTH CANAL AT BUTTE HOUSE ROAD

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	176	53	18 E	93	125 E	400 E	656	84	256	130	118	188
2	163	44	18 E	183	81 E	300 E	788	103	274	130	118	171
3	159	50	17	126	578	200 E	817	108	295	137	143	172
4	158	48	16	102	499	150 E	664	86	300	166	134	192
5	154	48	17	99	415 E	113 E	422 E	59	306	178	122	264
6	153	44	17	98	239 E	167 E	796	29	272	171	132	240
7	143	47	16	94	321 E	184	678	23	250	141	126	201
8	143	50	13	93	333 E	162	323 E	34	242	126	106	199
9	142	43	14	92	461 E	145	167 E	37	236	120	106	212
10	140	46	12	99	666 E	137	112 E	46	250	122	142	195
11	145	46	11	93	419 E	134	100 E	60	266	108	156	187
12	143	47	12	85	1050	126	175 E	131	264	108	171	157
13	163	42	12	95	896	119	209 E	124	258	146	163	178
14	143	46	11	90	817	119	187	110	242	143	173	154
15	127	43	14	86	369 E	130	167	109	230 E	138	154	137
16	81	30	29	68	400 E	118	152	143	219 E	154	171	110
17	66	28	54	60	500 E	110	140	161	208 E	148	208	118
18	57	28	106	54	541 E	103	103	178	194 E	150	204	118
19	42	28	79	52	1180	99	100	195	187 E	168	148	120
20	43	26	61	47	1130 E	112	93	217	178 E	159	145	124
21	44	25	50	46	711 E	373	88	252 E	168 E	170	127	116
22	36	20	51	45	700 E	459	81	308 E	163 E	159	150	100
23	37	20 E	58	46	700 E	423	74	312 E	157 E	166	132	115
24	36	20 E	42	107	706 E	468	90	304	121	166	146	124
25	36	20 E	38	166	1100	483	110	302	153 E	168	138	108
26	41	19 E	38	552	748 E	268 E	93	283	137 E	168	157	98
27	51	19 E	34	392	655 E	243	106	300	130 E	115	164	114
28	52	19 E	30	229	500 E	204	106	285	132 E	103	150	110
29	52	19 E	32	191 E		183	127	262	134 E	108	163	93
30	43	18 E	32	206		262	171	266	135 E	118	203	98
31	50		11	170 E		198		266		127	203	
Mean	97.4	34.5	31.1	128	601	216	263	167	212	142	151	150
Ac-Ft	5988	2055	1910	7853	33400	13270	15660	10270	12610	8749	9269	8951

E — Estimated NR — No Record

Total Discharge in Acre-Feet 130000

TABLE 95

DAILY MEAN DISCHARGE
LITTLE LAST CHANCE CREEK NEAR CHILCOOT

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	5.2	4.1	8.3	8.8	103	80	216	41	4.6E	4.1	1.2
2	1.2	5.2	3.7	9.3	11	92	55	239	40	5.1E	4.3	1.2
3	2.3	4.8	3.9	7.9	12	86	56	252	40	5.6E	3.6	1.2
4	2.6	5.9	3.9	5.7	10	74	73	254	36	5.3	3.3	1.0
5	2.5	5.9	5.6	5.7	11	71	74	267	29	4.8	2.9	1.0
6	2.2	4.7	5.1	7.0	12	64	74	262	28	4.3	2.7	0.9
7	2.2	4.7	5.0	7.4	12	61	74	237	26	4.1	2.4	1.0
8	2.5	6.3	3.9	7.0	14	60	85	225	27	3.3	2.4	1.2
9	2.2	5.8	3.8	6.5	15	54	114	218	25	3.1	2.4	1.1
10	2.2	5.8	4.1	7.9	15	51	165	216	24	3.1	2.4	1.0
11	2.4	6.6	3.7	7.4	15	48	227	273	29	2.9	2.4	1.0
12	2.4	6.6	3.6	7.4	28	46	260	227	42	2.9	2.2	1.1
13	2.9	6.6	4.4	6.1	34	42	302	179	41	2.7	1.9	1.1
14	2.9	14	4.8	8.3	34	42	336	161	28	2.6	1.7	1.2
15	2.9	8.3	7.4	8.3	53	39	349	150	23	2.7	1.7	1.2
16	2.6	6.1	19	8.3	104	42	357	140	19 E	3.1	3.6	1.2
17	2.5	4.5	10	7.9	100	45	403	139	15	3.6	4.8	1.2
18	2.5	5.5	3.9	7.9	94	44	398	138	19	3.6	4.8	1.2
19	2.8	6.7	6.6	7.0	133	46	383	136	18	3.8	3.3	1.2
20	4.7	5.4	8.1	7.4	123	76	388	126	14	4.1	2.7	1.1
21	10	4.5	6.9	7.0	109	91	414	115	13	3.3	2.4	1.2
22	5.7	3.2	3.6	7.0	98	78	401	106	11	4.8	2.0	1.1
23	4.9	3.7	5.5	7.0	101	85	300	99	8.9	8.7	1.9	1.7
24	4.6	4.0	7.8	7.4	444	83	246	91	8.6	16	1.7	1.5
25	4.6	3.9	7.5	9.3	438	79	212	80	5.9	8.9	1.5	1.5
26	4.9	5.2	7.6	8.8	220	73	201	73	4.8	6.2	1.5	1.5
27	4.9	5.1	6.9	8.8	163	71	197	64	4.1	5.1	1.5	1.5
28	4.9	4.7	8.4	9.3	128	72	210	58	4.3	4.3	1.5	1.3
29	4.9	3.9	9.5	9.8		76	214	52	4.3	5.6	1.3	1.3
30	5.2	4.2	7.3	8.3		69	205	48	4.3E	5.1	1.3	1.3
31	5.2		7.9	9.8		83		44		4.6	1.3	
Mean	3.5	5.6	6.2	7.8	90.7	66.0	228	158	21.1	4.8	2.5	1.2
Ac-Ft	218	331	384	478	5038	4058	13590	9689	1256	293	154	72

E — Estimated NR — No Record

Total Discharge in Acre-Feet 35560

TABLE 96

DAILY MEAN DISCHARGE
SMITHNECK CREEK NEAR LOYALTON

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.8	5.8	4.0	6.1	6.9	31	22	74	33	8.4	5.3	4.8
2	4.6	5.8	3.2	6.3	7.2	28	22	79	33	8.4	5.8	4.6
3	5.8	5.8	3.2	6.1	8.4	25	24	79	31	7.7	5.6	4.6
4	6.1	6.1	3.8	6.1	7.7	22	22	80	28	7.5	5.3	4.6
5	5.8	5.8	4.6	4.4	7.5	21	21	87	25 E	7.2	5.3	4.6
6	5.3	5.6	4.6	5.6	7.5	20	20	88	24 E	6.9	5.1	4.6
7	5.3	5.6	4.8	5.6	7.7	19	20	78	23 E	6.3	5.1	4.8
8	5.1	5.6	4.4	5.3	8.7	16	23	81	22 E	6.3	5.1	5.6
9	4.8	5.6	4.4	5.1	8.7	16	28	81	21 E	6.1	4.8	5.1
10	5.1	5.6	4.2	6.1	8.4	15	34	76	20 E	6.1	4.8	4.8
11	5.1	5.6	4.2	5.6	8.7	14	40	79	18 E	5.6	4.8	5.1
12	5.6	5.6	4.0	5.8	16	14	45	71	17 E	5.6	4.6	5.1
13	5.8	5.8	4.2	6.3	16	13	50	71	16 E	5.6	4.6	5.3
14	6.1	11	4.4	6.3	15	12	56	72	16 E	5.6	4.6	5.3
15	5.8	8.4	7.5	5.6	17	12	41	70	15 E	5.8	4.6	5.3
16	5.8	6.3	13	5.6	21	12	39	70	14 E	7.5	5.8	5.1
17	5.8	5.6	10	5.6	21	13	49	69	14	7.2	7.2	5.1
18	5.6	6.3	6.9	5.6	23	14	56	68	16	6.6	6.6	5.1
19	5.8	6.6	7.7	7.2E	28	15	48	64	15	6.1	5.8	4.8
20	6.9	6.9	7.7	6.1	27	18	53	62	12	6.1	5.6	4.6
21	7.5	6.3	7.5	5.3	26	21	56	60	11	5.6	5.1	4.6
22	7.5	4.6	7.2	7.2	27	21	75	57	11	5.6	5.1	4.6
23	7.7	5.3	16	5.8	27	22	66	56	10	6.3	5.1	5.1
24	7.7	5.1	9.0	5.8	35	22	51	50	9.7	6.6	5.1	5.3
25	7.4	5.1	7.5	5.6	44	22	46	45	9.7	7.2	4.8	5.3
26	7.2	5.3	7.2	5.8	41	21	49	44	9.0	5.8	4.8	5.3
27	6.9	4.6	6.9	5.6	43	22	53	44	8.7	5.3	4.8	5.1
28	6.3	4.4	7.5	5.8	35	21	53	43	8.4	5.6	4.8	4.8
29	5.8	4.0	6.9	6.9		21	59	41	8.4	5.8	4.8	5.1
30	5.8	3.8	5.8	7.5		22	66	39	8.1	5.8	4.8	5.3
31	5.8		6.3	6.9		22		36		5.6	4.8	
Mean	6.0	5.8	6.4	6.0	19.6	18.9	42.9	65.0	16.9	6.4	5.2	5.0
Ac-Ft	370	345	394	366	1090	1164	2553	3995	1006	392	318	296

E — Estimated NR — No Record

Total Discharge in Acre-Feet 12290

TABLE 97

DAILY MEAN DISCHARGE
WEBBER CREEK NEAR SIERRAVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	12	12	14	17	63	36	180	116	64	45	23
2	10	12	11	14	18	55	32	191	119	63	43	22
3	13	12	12	14	19	49	36	197	110	61	42	17
4	12	12	12	15	18	43	34	207	99	60	39	17
5	13	12	12	17	18	39	31	218	100	61	36	17
6	13	12	12	16	17	36	30	217	100	58	33	17
7	12	12	12	14	18	36	30	210	100	57	32	17
8	11	12	11	14	22	32	31	208	104	56	33	19
9	11	12	11	14	21	29	37	212	99	54	33	18
10	10	11	11	16	20	28	48	220	99	54	32	18
11	10	12	11	15	19	27	63	229	96	52	30	18
12	10	13	11	15	62	26	79	204	91	51	30	18
13	13	14	11	15	45	26	98	188	72	50	28	18
14	14	37	12	16	38	25	116	182	66	48	27	18
15	12	20	20	14	40	24	128	182	63	47	28	18
16	11	15	44	14	48	24	143	180	65	53	33	17
17	11	14	25	14	48	24	161	188	76	63	36	16
18	10	14	19	15	46	25	172	192	91	60	37	16
19	11	14	18	18	67	37	172	197	94	57	34	16
20	13	14	16	15	59	37	184	190	92	58	41	16
21	13	13	15	14	51	52	207	180	90	56	34	16
22	13	12	16	17	48	48	207	176	90	56	31	16
23	14	12	15 E	16	48	48	173	178	89	60	30	20
24	15	11	14	15	153	48	154	170	86	59	28	20
25	14	12	14	15	204	45	146	160	83	56	28	19
26	14	12	14	16	132	42	147	153	78	57	27	18
27	13	12	14	15	98	39	153	142	74	55	27	17
28	13	11	16	15	77	38	157	133	69	54	26	17
29	13	12	16	22		38	163	124	66	52	25	17
30	12	12	15	22		42	170	127	65	51	24	17
31	12		17	18		37		122		48	24	
Mean	12.2	13.5	15.1	15.6	52.5	37.1	111	182	88.1	55.8	32.1	17.9
Ac-Ft	748	803	930	960	2918	2281	6621	11220	5240	3433	1976	1057

E — Estimated NR — No Record

Total Discharge in Acre-Feet 38190

TABLE 98

DAILY MEAN DISCHARGE
MILLER CREEK NEAR SATTLEY

In second-feet

Date	1957			1958									
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July		Aug.	Sept.
1	6.5	6.5	5.8	5.4	5.8	11	6.7	21	58	34	E	15	8.0
2		6.5	5.4	5.4	5.8	9.9	6.7	24	61	30	E	14	7.8
3		6.5	6.2	5.4	6.0	9.4	7.8	26	57	29	E	14	7.5
4		6.5	6.2E	5.2	5.8	9.0	6.7	30	53	28	E	14	7.8
5		6.5	6.2E	5.4	5.8	8.7	6.7	34	53	27	E	13	7.8
6	6.5E	6.5	5.4E	5.2	5.8	8.2	6.2	35	54	26		13	7.8
7		6.5E	5.4E	5.2	6.0	8.0	6.2	34	55	25		13	8.3
8		6.5E	5.3E	5.4	6.0	7.8	6.2	36	55	24		13	8.3
9		6.5	5.2E	5.4	5.8	7.5	6.7	37	55	23		12	7.8
10		6.7	5.2	5.8	5.6	7.8	6.9	42	52	23		12	7.8
11	7.1	6.7	5.4	5.6	5.6	7.3	7.3	44	50	22		12	7.8
12	6.9	6.9	5.4	5.4	12	E 7.1	8.0	38	52	21		12	7.8
13	12	10	5.4	5.6	8.5E	7.1	9.2	36	52	20		11	7.8
14	8.2	16	5.6	5.6	7.3	7.1	11	36	50	20		11	7.8
15	7.1	8.2	10	5.6	9.0	6.9	12	37	51	20		11	7.5
16	6.9	6.9	17	5.8	11	6.9	14	41	53	20		12	7.5
17	6.7	6.5	9.9	5.6	9.7	6.7	16	47	56	19		12	7.5
18	6.5E	6.9	7.8	5.6	9.0	6.7	17	55	63	18		12	7.5
19	6.5E	7.3	9.7	5.6	14	6.5	18	59	62	18		12	7.5
20	7.1	6.9	8.7	5.6	11	8.0	20	57	58	18		12	7.2
21	7.3	6.7	8.0	5.6	9.4	7.5	23	56	58	18		11	7.2
22	7.8	6.0	8.2	5.8	9.2	6.9	23	56	58	17		10	7.5
23	9.2	6.2	7.6E	5.8	9.4	6.9	18	62	57	18		10	8.9
24	9.7	6.2	7.0E	5.8	27	E 6.9	17	60	53	18		9.6	7.8
25	8.2	6.0	6.5E	5.4	33	6.7	16	61	50	17		9.2	7.5
26	7.5	6.0	6.0E	5.4	19	6.5	17	62	48	16		9.2	7.5
27	7.1	6.0	6.0E	5.2	14	6.5	18	61	46	15		8.9	7.5
28	6.7	6.0	5.5E	5.6	12	6.5	18	58	44	16		8.9	7.2
29	6.5	5.4	5.5E	6.0		6.5	18	55	42	16		8.6	7.2
30	6.5	6.2	5.4E	6.0		6.9	19	56	40	15		8.6	7.2
31	6.5		5.4	5.8		6.7		58		15		8.0	
Mean	7.2	6.9	6.8	5.6	10.3	7.5	12.9	45.7	53.2	20.8		11.4	7.7
Ac-Ft.	440	413	421	342	572	460	766	2809	3166	1281		698	457

E — Estimated NR — No Record

Total Discharge in Acre-Feet 11820

TABLE 99

DAILY MEAN DISCHARGE
MIDDLE FORK FEATHER RIVER NEAR PORTOLA

In second-feet

Date	1957			1958									
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July		Aug.	Sept.
1	0	26	33	155	694	1020	1070	1200	299	65		24	2.3
2	0	26	30	140	584	829	1620	1210	290	64		25	2.3
3	0.1	25	28	131	368	711	1210	1120	299	60		25	2.0
4	0.2	24	28	99	323	589	1380	1070	263	55		25	1.7
5	0.5	25	31	101	400	509	1190	1110	245	49		26	1.4
6	0.6	26	29	81	411	465	1120	1100	208	42		25	1.6
7	0.7	26	31	78	415	443	1150	1060	150	39		24	1.4
8	0.6	28	34	63	447	435	1270	1050	213	34		22	1.3
9	0.6	28	35	65	609	447	1520	1020	218	33		16	1.2
10	0.9	30	36	84	738	427	1680	979	221	31		17	1.2
11	1.2	33	36	90	555	384	1580	1000	221	50		16	1.2
12	5.7	35	34	133	517	361	1470	952	263	45		14	1.2
13	9.6	38	34	124	860	347	1440	939	337	34		12	1.1
14	12	68	35	150	1390	351	1420	926	269	28		10	1.0
15	14	61	53	96	1060	347	1420	879	239	27		9.6	1.1
16	14	56	140	74	986	469	1490	817	226	24		9.6	1.1
17	14	70	144	76	939	555	1620	744	216	18		9.3	1.0
18	14	78	124	73	842	609	1720	684	221	15		9.0	1.1
19	15	72	170	70	836	604	1800	624	213	13		8.3	1.1
20	17	61	223	63	842	599	1830	570	192	13		7.9	1.2
21	23	53	257	55	873	842	1850	531	183	9.3		7.6	1.2
22	25	40	208	57	811	1420	1780	522	174	9.0		7.3	1.2
23	26	41	192	53	744	1340	1570	517	157	18		7.1	1.5
24	30	38	146	54	1080	946	1490	495	142	26		6.2	1.5
25	32	37	97	73	2780	733	1370	482	137	20		5.7	1.6
26	32	38	93	96	3970	656	1250	469	129	15		4.9	1.5
27	31	33	87	144	2500	584	1160	447	116	14		4.5	1.6
28	31	38	96	197	1520	535	1140	415	101	16		3.6	1.7
29	30	31	102	213		509	1220	344	82	19		3.2	1.6
30	27	34	101	242		504	1190	361	63	21		2.7	1.4
31	26		102	408		689		327		22		2.6	
Mean	14.0	40.6	90.0	114	1003	621	1434	773	204	29.9		12.8	1.4
Ac-Ft	860	2418	5532	7018	55720	38200	85330	47530	12070	1841		774	84

E — Estimated NR — No Record

Total Discharge in Acre-Feet 257400

TABLE 100

DAILY MEAN DISCHARGE
RED CLOVER CREEK NEAR GENESEE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	18	19 E	38	49	293 E	225	492 E	80	32	23	13
2	18	18	19 E	38	51	235	150	509 E	80	31	22	13
3	22	18	19 E	36	56	232	97	522 E	87	31	20	13
4	20	18	19 E	33	51	183	143	513 E	79	29	19	13
5	24	18	19	31 E	51	176	180	522 E	72	29	19	13
6	24	18	19	33 E	50	166	185	509 E	65	28	18	13
7	21	18	19 E	33	51	144	183	462 E	61	26	17	13
8	19	18	19 E	32	64	152	194	419 E	58	26	17	13
9	18	19	19 E	29	64	122	259 E	404 E	57	26	17	13
10	17	20	20	34	61	127	393 E	393 E	56	26	16	13
11	17	21	20 E	30	60	114	579 E	458 E	72	25	16	13
12	16	21	20 E	31	169	117	701 E	407 E	89	24	16	13
13	19	22	20 E	30	162	108	818 E	321 E	112	23	15	14
14	21	71	20	29	146	108	942 E	278 E	78	23	15	14
15	20	37	30	30	217	95	949 E	248	64	22	15	14
16	19	29	191	31	471 E	109	909 E	232	60	22	15	14
17	18	25	113	31	500 E	127	989 E	224	58	22	15	13
18	17	23	56	29	513 E	127	996 E	219	59	22	15	14
19	18	22	43	30	809 E	129	955 E	215	58	22	16	14
20	20	23	43	31	663 E	205	929 E	198	54	23	17	14
21	28	22	46	29	531 E	368 E	989 E	185	50	23	16	14
22	25	21	36 E	29	430 E	296 E	982 E	170	47	23	16	14
23	24	20	35 E	31	411 E	278 E	711 E	166	45	26	15	15
24	24	20 E	35 E	29	1580 E	264 E	559 E	148	42	35	15	15
25	23	20 E	34	31	2100 E	232	492 E	137	40	35	15	15
26	21	19 E	34 E	33	809 E	217	471 E	123	39	30	14	15
27	20	19 E	34	32	536 E	212	467 E	114	36	26	14	15
28	19	19 E	35 E	33	393 E	194	483 E	105	35	24	14	15
29	19	19 E	35 E	51		205	540 E	96	33	24	14	15
30	19	19 E	35 E	74		162	496 E	91	33	25	13	15
31	18		36 E	56		217		84		24	13	
Mean	20.3	22.5	36.8	34.4	395	184	566	289	60.0	26.0	16.2	13.8
Ac-Ft	1246	1339	2265	2116	21910	11330	33650	17780	3568	1601	996	823

E — Estimated NR — No Record

Total Discharge in Acre-Feet 98620

TABLE 101

DAILY MEAN DISCHARGE
INDIAN CREEK NEAR TAYLORSVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	96	70	146	254	1190	938	1800	719	214	89	46
2	67	92 E	65	143	254	1010	856	1950	705	207	87	44
3	71	89 E	65	128	297	947	705	2060	749	192	82	44
4	74	86 E	65	120	315	809	719	2110	698	185	80	44
5	93	82	67	112	379	756	719	2260	635	175	76	44
6	96	80	65	112	344	719	726	2300	595	165	74	44
7	86	80	64	112	315	628	698	2100	563	152	70	46
8	78	80	62	109	432	662	719	2010	544	146	67	46
9	74	80	62	104	443	563	856	2020	531	140	65	46
10	71	85	62	134	400	550	1140	2100	507	131	64	44
11	71	87	64	131	349	513	1600	2440	537	128	62	46
12	71	89	64	134	725	507	1960	2270	764	120	60	46
13	86	99	64	134	856	477	2190	1780	930	117	58	47
14	93	271	65	131	669	460	2630	1590	719	117	56	47
15	91	182	82	131	676	426	2900	1540	615	114	56	47
16	81	131	335	128	1250	466	2820	1560	556	117	54	49
17	78	109	443	125	1460	477	3260	1620	525	117	58	47
18	74	101	325	120	1370	483	3360	1680	531	114	60	46
19	74	99	199	117	2000	501	3280	1680	495	106	58	46
20	78	101	178	128	1740	595	3120	1560	454	106	65	47
21	104	96	196	117	1430	1100	3360	1440	405	106	62	46
22	107	89	182	106	1190	1010	3520	1400	379	106	54	46
23	107	82	140	120	1030	947	2540	1340	354	186	54	51
24	113	82	149	120	3180	922	2040	1270	334	175	54	49
25	110	82	140	128	8880	833	1820	1160	311	143	52	49
26	107	80	134	137	3120	771	1720	1100	284	117	52	49
27	96	76	123	146	2060	764	1680	1030	258	104	51	49
28	93	74	140	146	1530	705	1680	947	241	99	47	47
29	88	70	175	231		719	1850	873	230	106	47	47
30	86	67	168	416		848	1790	809	230	101	47	47
31	83		152	301		841		764		94	47	
Mean	86.1	97..	134	144	1320	716	1907	1631	513	135	61.5	46.5
Ac-Ft	5292	5786	8261	8860	73290	44030	113400	100300	30540	8329	3784	2769

E — Estimated NR — No Record

Total Discharge in Acre-Feet 404600

TABLE 102

DAILY MEAN DISCHAROE
LIGHTS CREEK NEAR TAYLORSVILLE

In second-feet

Oate	1957			1958								
	Oct	Nav	Oec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.4	10	8.4	26	49	138	115	311	127	49	16	8.0
2	8.9	9.9	7.6	24	44	120	109	353	136	48	15	8.0
3	14	10	7.6	21	54	106	106	378	134	45	15	7.6
4	11	9.9	8.4	18	58	94	93	409	117	42	14	7.6
5	21	10	8.9	16	70	90	86	452	109	41	13	7.6
6	16	10	8.0	18	61	87	83	428	104	38	13	7.3
7	18	9.9	8.0	16	59	78	84	393	101	37	12	7.3
8	13	11	7.3	18	78	75	90	393	97	34	12	7.6
9	12	10	7.3	16	80	70	109	418	91	32	12	7.6
10	12	9.9	6.9	25	75	66	141	432	96	31	12	7.3
11	11	13	7.3	26	67	64	180	530	110	31	11	7.3
12	11	13	6.5	26	181	62	214	456	225	29	11	7.3
13	19	22	6.5	25	165	60	254	359	186	28	11	7.3
14	18	68	6.9	24	125	61	303	317	143	26	10	7.3
15	14	26	12	22	167	60	331	314	122	26	9.9	7.3
16	12	18	86	24	280	59	348	323	110	26	10	6.5
17	12	16	64	24	235	59	374	323	101	27	12	6.5
18	11	15	43	24	194	59	362	334	93	26	12	6.2
19	12	15	32	21	311	63	362	314	87	26	12	6.2
20	14	14	30	24	246	87	402	290	82	24	17	6.2
21	18	13	43	20	210	147	466	264	78	23	12	6.2
22	14	11	40	17	182	138	424	251	72	26	11	6.5
23	18	11	25	19	178	132	311	242	68	36	10	10
24	18	11	26	20	915	131	254	223	63	29	9.9	8.0
25	16	11	21	21	694	120	235	207	61	26	9.4	7.6
26	14	10	21	25	295	110	235	194	58	22	9.4	7.3
27	13	9.4	20	26	205	104	237	182	54	19	8.9	6.9
28	13	9.4	29	30	163	99	240	167	52	19	8.4	6.5
29	11	8.0	41	66		101	261	152	51	21	8.4	6.5
30	11	7.6	35	86		122	280	143	51	19	8.4	6.5
31	11		27	59		112		136		18	8.0	
Mean	13.8	14.1	22.6	26.7	194	92.7	236	313	99.3	29.8	11.4	7.2
Ac-Ft	846	837	1390	1640	10790	5700	14060	19220	5909	1833	702	428

E — Estimated NR — No Record

Total Oischorge in Acre-Feet 63360

TABLE 103

DAILY MEAN DISCHARGE
WOLF CREEK AT GREENVILLE

In second-feet

Oate	1957			1958								
	Oct.	Nav	Oec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0E	11 E	9.5	26	92	182	309	209	52 E	20	18	8.1
2	7.6E	11 E	9.5	28	100	137	288	237	54 E	20	15	8.1
3	8.8E	11 E	9.5	26	177	113	246	256	56 E	19	14	8.1
4	10 E	11 E	9.5	23	177	100	199	263	54 E	19	14	8.1
5	25 E	11 E	9.5	22	230	94	185	272	52 E	19	13	8.1
6	20 E	11 E	9.5	22	174	90	191	268	48 E	17	12	8.1
7	15 E	11 E	10	21	172	80	174	240	48 E	17	12	8.6
8	12 E	12 E	10	21	270	76	172	199	48 E	16	12	8.6
9	10 E	11 E	11	22	225	69	191	172	47 E	14	12	8.6
10	9.0E	11 E	11	42	188	65	223	186	46 E	14	12	8.1
11	8.0E	12 E	11	42	150	58	288	265	48 E	14	11	8.1
12	8.0E	13 E	11	42	506	58	334	267	125 E	14	11	8.1
13	15 E	14 E	12	40	388	55	352	210	100 E	13	11	8.1
14	14 E	40 E	12	35	249	55	392	174 E	80 E	12	11	8.1
15	11 E	17 E	24	32	218	60	403	158 E	64 E	12	12	8.1
16	10 E	14 E	87	32	277	58	394	151 E	52 E	12	12	8.6
17	9.0E	13 E	68	31	298	60	413	142 E	42	13	15	8.6
18	8.0E	12	67	29	279	62	372	133 E	38	13	15	8.6
19	8.0E	12	38	28	662	65	358	124 E	38	14	14	8.6
20	8.5E	11	36	27	470	118	358	116 E	34	14	13	8.1
21	9.0E	11	74	26	336	472	388	107 E	33	15	13	8.6
22	10 E	11 E	63	25	268	362	398	102 E	32	22	12	12
23	12	11	39	26	237	318	317	96 E	29	36	11	14
24	12	11	33	30	1260 E	322	263	88 E	27	32	11	11
25	12 E	11	30	32	1270 E	281	223	82 E	25	22	10	11
26	12 E	11	28	52	544	242	201	76 E	24	20	9.5	10
27	11 E	10	26	56	342	207	190	69 E	22	18	9.5	9.5
28	11 E	10	28	53	242	180	178	64 E	21	18	9.0	9.5
29	11 E	9.5	32	171		188	164	58 E	20	19	8.6	9.0
30	11 E	9.5	29	207		374	190	55 E	21	17	8.6	9.0E
31	11 E		27	122		288		54 E		17	8.6	
Mean	11.2	12.5	28.2	44.9	350	158	278	158	46.0	17.5	11.9	9.0
Ac-Ft.	688	742	1734	2759	19440	9697	16570	9705	2737	1075	733	534

E — Estimated NR — No Record

Total Oischorge in Acre-Feet 66410

TABLE 104

DAILY MEAN DISCHARGE
SPANISH CREEK NEAR QUINCY

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	35	27	77	268	435	533	526	236	73	31	20
2	24	35	26	85	292	364	458	579	265	69	31	19
3	32	34	25	75	399	329	435	614	252	69	30	21
4	28	35	26	71	394	286	374	643	212	65	29	20
5	70	35	26	68	567	265	333	725	201	63	28	19
6	46	35	26	63	429	265	329	702	190	60	26	19
7	39	36	27	63	535	232	329	643	183	60	25	21
8	35	36	28	63	859	228	319	650	183	56	26	20
9	33	35	29	64	668	205	353	710	173	53	25	20
10	31	40	30	210	515	201	401	725	160	53	25	19
11	30	56	29	187	394	187	482	765	160	44	25	20
12	29	47	30	157	1700	180	539	607	286	45	22	20
13	53	95	31	143	937	177	593	513	228	45	22	21
14	49	239	31	115	616	180	672	476	198	44	21	20
15	37	92	137	108	694	183	665	501	183	42	20	20
16	34	63	606	99	977	187	657	552	173	35	23	20
17	33	50	451	91	742	187	718	593	163	41	25	19
18	32	47	306	89	715	183	718	614	170	42	26	19
19	33	43	136	83	1820	187	710	579	180	41	25	19
20	37	40	112	79	994	460	725	526	151	39	25	18
21	36	37	266	75	701	1230	789 E	501	139	39	26	18
22	33	34	218	71	604	657	781 E	482	130	39	25	21
23	61	33	133	71	580	607	593 E	482	122	45	23	25
24	66	32	105	97	3560	586	476 E	464	114	47	22	23
25	53	31	87	135	2620	470	412 E	429	104	39	23	22
26	44	31	83	220	1070	385	412	396	99	35	22	21
27	44	28	76	207	710	338	412	353	90	34	22	20
28	40	28	94	187	533	305	429	309	85	34	22	20
29	36	27	116	754		400	488	286	81	35	20	20
30	36	27	98	765		934	501	265	77	34	21	19
31	35		87	375		513		248		33	20	
Mean	39.2	47.9	113	160	889	366	521	531	166	46.9	24.4	20.1
Ac-Ft.	2410	2848	6946	9812	49380	22510	31010	32640	9893	2882	1500	1196

E — Estimated NR — No Record

Total Discharge in Acre-Feet 173000

TABLE 105

DAILY MEAN DISCHARGE
FEATHER RIVER NEAR OROVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2840	3080	3090	4560	10400	17600	23200	16900	11800	4670	3100	2840
2	2820	3000	3060	5300	10300	14900	26700	17400	12900	4980	3100	2840
3	2890	2980	3010	4870	15500	13600	25100	17600	12900	4790	3090	2860
4	2920	2970	3000	4470	15000	12300	19200	18100	10900	4780	3070	2850
5	3330	2950	3020	4230	18000	11300	16900	19000	10300	4560	3040	2850
6	3620	2940	2800	4000	15000	10400	16800	19700	10000	4160	3030	2820
7	3120	2940	3000	4020	15200	9490	15300	18900	9700	4360	3030	2810
8	3020	2910	3000	3960	19600	9400	14600	18400	8960	4260	2900	2600
9	2950	2950	3040	3880	19000	8750	15100	19100	9080	3930	2960	2480
10	2910	2960	3010	5270	16800	7730	15400	19700	8810	3880	2590	2530
11	2910	3160	3020	6520	14100	7910	16100	20300	8720	3580	2540	2650
12	2900	3100	3000	5760	29700	7600	18300	20200	10600	3500	2510	2770
13	4330	4120	3030	5760	25600	7910	19100	17600	12900	3520	2500	2770
14	4720	13100	3000	5130	20300	8730	20400	16200	12200	3510	2480	2340
15	3360	6210	3660	4740	24300	8910	21300	15900	11600	3440	2450	2750
16	3160	4360	14600	4590	28900	8170	21300	17100	11500	3460	2480	2330
17	3060	4130	14900	4390	23800	8360	22000	17900	11300	3460	2510	2640
18	3000	3900	15100	4200	20600	7520	21200	19100	10600	3460	2510	2550
19	2970	3640	8690	4040	35900	7600	21400	18900	10500	3420	2510	2220
20	2970	3450	7710	4330	29200	10100	21900	18200	9170	3430	2480	2410
21	2970	3370	9680	3890	22400	25400	22900	17500	8860	3410	2480	2580
22	3020	3250	10400	3830	19000	22900	24100	17100	8320	3300	2480	2410
23	3090	3210	7570	3680	16900	21500	21900	17300	8090	3350	2480	2590
24	3990	3190	6040	4840	41900	20800	19200	16600	7500	3290	2480	2740
25	4070	3160	5530	5650	71400	17300	17500	15900	7050	3240	2480	2340
26	3640	3140	5110	13200	40400	15200	16700	15300	6160	3220	2470	2090
27	3540	3100	5000	8180	28200	13700	16300	15100	6220	3200	2470	2450
28	3450	3090	5190	6220	21600	12600	16300	14100	5160	3210	2570	2240
29	3450	3070	5530	15000		12500	16700	12900	4820	3180	2870	2270
30	3450	3060	5200	20700		21800	17200	12500	5000	3190	2860	2160
31	3210		4860	12900		17600		12400		3150	2840	
Mean	3280	3680	5705	6200	23890	12890	19340	17190	9387	3706	2689	2559
Ac-Ft	201700	219200	350800	381000	1327000	792600	1151000	1057000	558600	227900	165300	152300

E — Estimated NR — No Record

Total Discharge in Acre-Feet 6584000

TABLE 106

DAILY MEAN DISCHARGE
FEATHER RIVER NEAR ORIDLEY

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2060	2540	2850	4560	11000	19600	23000	15900	9820	2890	1180	1150
2	2070	2540	2860	5040	9820	16400	26700	15900	10000	2700	1160	1230
3	2080	2470	2860	4930	15100	14400	29200	16200	10500	2750	1140	1280
4	2230	2470	2850	4560	15500	12700	21900	16400	9240	2690	1110	1260
5	2280	2450	2880	4260	18000	11500	18900	16800	8160	2590	1090	1300
6	2840	2440	2820	4060	16300	10400	18000	17700	7890	2370	1030	1350
7	2450	2440	2830	4060	14800	9650	16700	17100	7400	2160	1010	1400
8	2330	2400	2880	4000	19100	9240	15500	16500	7080	2240	1010	1400
9	2280	2380	2930	3950	19400	8810	15300	16700	6890	1960	963	1290
10	2240	2380	2960	4500	18200	7960	15800	17400	6760	1820	767	1280
11	2220	2510	2960	6290	14700	7820	16100	17500	6330	1640	605	1480
12	2210	2540	2990	5540	25100	7730	17700	18400	7020	1540	577	1650
13	2920	2620	3010	5770	30500	7910	19100	16400	10000	1510	531	1700
14	4360	10100	3020	5130	21500	8160	20000	14900	9650	1500	467	1580
15	3070	5800	3200	4800	24300	9260	21200	13700	8880	1450	413	1640
16	2770	3980	10500	4630	28600	8160	21500	14600	8570	1460	505	1580
17	2660	3410	15100	4470	26600	8160	21900	15500	8670	1450	626	1640
18	2620	3350	15800	4280	21700	7930	21800	16400	7960	1440	640	1680
19	2560	3190	9410	4160	32000	7340	21700	16700	7640	1420	647	1400
20	2580	3000	7460	4400	34100	8570	21800	16100	6680	1410	626	1450
21	2580	2940	8040	4030	25500	21400	22700	15700	6620	1410	612	1650
22	2620	2870	10500	4000	20700	25800	23700	15200	5910	1300	605	1670
23	2700	2840	7670	3870	17700	22200	22700	15200	5600	1300	619	1640
24	3120	2840	6210	4490	25000	23000	19900	14800	5340	1290	706	1760
25	3500	2840	5610	5640	70400	19100	18000	14200	4700	1240	728	1660
26	2890	2830	4960	11700	48000	16500	16900	13600	4260	1260	706	1540
27	2940	2830	4890	9410	32100	14700	16300	13200	3710	1260	676	1410
28	2810	2820	4860	6720	24900	13300	15700	12200	3410	1270	676	1480
29	2830	2820	5300	9360		12400	15600	11500	2910	1270	1010	1390
30	2760	2830	5120	22800		20400	16100	10500	2840	1270	1100	1400
31	2670		4810	14600		19000		10400		1250	1130	
Mean	2653	3116	5488	6129	24310	13210	19710	15270	7015	1713	796	1478
Ac-Ft.	163100	185400	337500	376900	1350000	812200	1173000	938800	417400	105300	48920	87950

E — Estimated NR — No Record

Total Discharge in Acre-Feet 5996000

TABLE 107

DAILY MEAN DISCHARGE
SOUTH HONCUT CREEK NEAR BANGOR

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	1.0	1.1	11	55	88	846	24	7.9	2.6	0.1	0
2	0.3	1.0	1.0	78	211	76	1190	21	7.9	2.6	0.1	0
3	1.8	0.9	1.0	35	437	65	668	20	9.5	2.5	0.1	0
4	2.5	0.9	1.0	23	193	55	350	19	7.9	2.3	0.1	0
5	1.0	0.8	1.4	18	304	51	273	18	6.6	2.2	0.1	0
6	0.7	0.8	1.6	15	117	54	376	16	6.4	1.8	0.1	0
7	0.7	0.9	1.8	14	268	52	211	14	5.8	1.6	0.1	0
8	0.5	1.0	1.6	12	392	62	155	12	6.1	1.3	0.1	0
9	0.4	1.0	1.5	12	243	50	131	12	6.6	1.1	0.1	0
10	0.4	1.3	1.4	48	191	46	116	12	6.6	1.1	0.1	0
11	0.4	1.6	1.4	31	116	46	102	16	6.6	1.0	0.1	0
12	0.4	2.2	1.5	34	680	48	91	23	9.1	1.0	0.1	0
13	18	6.4	1.6	58	191	47	81	17	12	1.0	0	0
14	15	65	1.6	32	280	205	73	14	7.5	1.1	0	0
15	5.2	14	22	26	281	150	63	13	6.4	1.4	0	0
16	2.4	6.6	264	24	204	99	58	12	4.7	1.8	0	0
17	1.6	4.0	403	21	124	82	53	9.1	4.4	2.0	0	0
18	1.1	2.6	297	19	154	72	51	8.3	4.0	1.5	0.1	0
19	0.9	2.2	39	16	492	64	46	9.9	4.4	1.1	0	0
20	0.8	1.9	36	16	199	123	42	11	4.2	0.9	0	0
21	0.7	1.6	64	16	135	539	38	9.5	4.0	0.8	0	0
22	0.6	1.4	49	15	107	349	35	12	3.7	0.7	0	0
23	1.0	1.3	24	18	92	348	33	19	3.2	0.7	0	0
24	2.8	1.2	23	172	451	727	31	13	3.0	0.6	0	0
25	2.4	1.2	14	156	372	168	30	10	3.0	0.5	0	0
26	1.8	1.2	11	774	178	124	30	11	2.9	0.4	0	0
27	1.6	1.2	8.9	150	125	109	30	11	2.9	0.4	0	0
28	1.4	1.2	11	74	105	95	29	10	2.9	0.4	0	0
29	1.2	1.2	19	245		113	28	9.1	2.8	0.4	0	0
30	1.2	1.1	14	141		368	27	8.7	2.8	0.3	0	
31	1.0		12	74		179		8.3		0.2	0	
Mean	2.3	4.3	42.9	76.7	239	150	176	13.6	5.5	1.2	0	0
Ac-Ft.	139	255	2640	4720	13280	9230	10490	839	329	74	3	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 42000

TABLE 108

DAILY MEAN DISCHARGE
FEATHER RIVER AT YUBA CITY

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2330	2750	2870	4970	11500	25000 E	24600	17000 E	10800	3400	1430	1440
2	2400	2730	2880	5300	8760	20000 E	31900	17500 E	10600	3070	1380	1520
3	2410	2660	2860	5970	16400	17000 E	38700	18000 E	12200	3270	1370	1610
4	2480	2620	2830	5120	19600	15000 E	31200	18000 E	11000	3120	1340	1630
5	2600	2540	2850	4520	19600	13500 E	22900	18000 E	9170	3050	1280	1640
6	3020	2500	2860	4190	20500	12500 E	20600	18500	8890	2830	1210	1790
7	2970	2500	2710	3930	16200	11500 E	19800	18600	8420	2540	1190	1890
8	2670	2480	2840	3870	20100	10500 E	17100	17600	7840	2620	1210	1930
9	2610	2470	2860	3780	23600	10000 E	16000 E	17600	7870	2470	1190	1790
10	2530	2520	2880	4230	23200	9500 E	16500 E	18900	7650	2120	1190	1740
11	2460	2570	2870	6780	19800	9000 E	17500 E	19100	7200	2070	975	1830
12	2400	2690	2890	6560	22700	9000 E	19000 E	20000	7330	1940	926	1980
13	2600	2710	2890	6360	38700	9000 E	21000 E	18100	9470	1880	739	2140
14	4930	7290	2890	5780	31700	9500 E	22000 E	15900	9930	1850	885	2160
15	3870	8140	3010	5200 E	29000	11000 E	23000 E	14900	9550	1820	816	1930
16	3200	5100	6480	5000 E	32600	10000 E	24000 E	15400	9220	1760	799	2210
17	3020	4030	15800	4800 E	35400	9000 E	24000 E	16900	9310	1760	799	1970
18	2920	3640	16900	4600 E	29900	8670	24000 E	18400	8930	1740	885	2140
19	2840	3520	13600	4500 E	32300	7740	24000 E	19600	8530	1710	944	2000
20	2810	3290	9230	4600 E	45600	8100	24000 E	19600	7940	1700	944	1780
21	2810	3130	8950	4500 E	37900	16100	25000 E	18600	7220	1670	920	1950
22	2820	3070	12600	4300 E	29400	29500	26000 E	18000	6870	1610	897	2080
23	2900	2980	10100	4300 E	24000	27400	25000 E	18200	6460	1510	909	2000
24	3120	2960	7680	5000 E	23400	26700	24000 E	18600	6150	1520	903	2080
25	3830	2950	6630	8000 E	65900	23800	22000 E	17800	5620	1470	963	2170
26	3420	2910	5680	11600	68000	19100	19000 E	16400	5190	1430	999	1910
27	3300	2890	5450	18200	45000 E	15500	17500 E	15500	4550	1490	999	1780
28	3100	2880	5300	8870	32000 E	13300	17000 E	13700	4250	1480	981	1900
29	3110	2880	5750	6510		11800	17000 E	12800	3600	1470	1060	1790
30	3050	2870	5940	20700		18200	17500 E	11700	3380	1470	1300	1710
31	3070		5400	20200		22800		11300		1450	1390	
Mean	2955	3276	5951	6846	29380	14830	22390	17100	7838	2042	1059	1883
Ac-Ft.	181700	194900	365900	421000	1632000	911800	1332000	1052000	466400	125500	65100	112000

E — Estimated NR — No Record

Total Discharge in Acre-Feet 6860000

TABLE 109

DAILY MEAN DISCHARGE
YUBA RIVER AT ENGLEBRIGHT DAM

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	445	520	615	1530	4120	7040	14000	6710	7860	2110	684	690
2	448	525	615	1670	3960	6000	16000	7020	8660	2000	684	690
3	450	575	615	1620	8520	5310	15800	7470	10900	1960	684	685
4	344	370	620	1420	6820	4690	10100	8140	7550	1710	684	685
5	440	0	620	1320	7660	4260	8300	10200	7700	1530	684	683
6	434	0	620	1220	6400	4110	8060	11500	7210	1520	684	670
7	460	0	620	1160	5700	3720	6670	10600	6790	1620	684	670
8	475	175	615	1120	8680	3700	6160	10200	6940	1420	683	670
9	402	525	579	1080	8020	3340	5860	11000	6900	1340	690	670
10	210	520	615	1630	7580	3100	5930	12300	6480	1230	690	660
11	148	525	620	2540	6170	2980	6320	12000	6450	1100	690	660
12	341	520	620	2200	14100	2820	6940	11300	6220	1080	690	660
13	400	444	620	2220	12900	2840	7210	9220	6040	1010	690	660
14	500	520	620	1920	9430	3700	7740	8820	6290	974	690	660
15	555	530	620	1630	11700	4370	8260	9510	6900	941	687	650
16	555	600	625	1480	13700	4050	8060	10700	7170	913	685	650
17	560	610	650	1420	11500	3780	8220	12200	7470	891	690	645
18	547	598	690	1360	9140	3480	8300	13600	7090	868	690	645
19	530	590	787	1280	15600	3280	8300	14200	7020	852	690	637
20	570	590	2040	1220	12600	3820	8300	14000	6450	852	690	640
21	570	595	2400	1160	9470	9940	8780	13000	5680	868	685	630
22	575	525	3420	1100	7770	10900	9350	13100	5720	836	683	640
23	530	600	2300	1080	6820	9440	8140	14000	5320	796	646	625
24	510	600	1840	1700	15000	10100	7090	14100	5030	772	680	625
25	520	600	1540	3080	32400	8660	6410	13000	4450	708	680	625
26	520	600	1420	5960	15900	7320	6070	12100	3450	772	685	620
27	515	600	1380	5240	10500	6290	6000	11300	3030	754	680	615
28	565	595	1370	3400	8330	5640	5960	8900	2660	718	680	610
29	570	608	2060	3740		5520	6070	8900	2440	699	685	610
30	555	620	1980	9560		13300	6330	8100	2400	690	685	578
31	550		1710	5700		9940		8660		684	690	
Mean	477	489	1143	2347	10370	5724	8158	10830	6142	1104	685	649
Ac-Ft	29340	29120	70310	144300	576200	351900	485400	666100	365500	67870	42090	38590

E — Estimated NR — No Record

Total Discharge in Acre-Feet 2867000

TABLE 110

DAILY MEAN DISCHARGE
DEER CREEK NEAR NEVADA CITY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.8	3.6	3.2	4.2	20	336	652	184	13 E	18	20	19
2	7.1	3.6	3.9	10	42	299	700	182	13 E	18	18	19
3	7.0	3.6	2.9	32	100	279	682	177	13 E	21	19	18
4	6.4	4.0	2.9	5.4	65	251	497	173	13 E	21	19	17
5	7.2	4.0	3.6	4.6	58	229	402	166	13 E	23	19	17
6	6.1	4.0	2.9	4.6	40	216	375	159	14 E	23	22	17
7	6.0	4.0	2.9	4.2	51	194	312	153	14 E	24	31	17
8	6.4	4.0	3.0	4.2	51	204	265	142	14 E	24	32	17
9	7.7	3.7	3.0	4.2	45	191	237	134	14 E	22	29	18
10	8.1	4.1	4.4	15	41	182	240	126	14 E	20	28	20
11	8.0	4.1	3.7	15	36	173	237	128	14	19	27	20
12	8.3	4.1	4.0	13	109	173	243	128	14	21	26	22
13	24	7.2	3.0	12	172	184	294	65	13	28	25	22
14	10	10	3.3	8.8	409	219	318	31	12	29	21	21
15	5.1	4.5	13	7.3	520	227	330	16	12	28	21	21
16	4.2	4.1	29	6.3	467	227	333	8.8	14	27	23	20
17	3.8	3.8	28	5.8	413	227	333	10 E	20	27	24	20
18	3.1	3.8	31	5.0	385	209	324	10 E	22	23	24	21
19	2.8	3.8	9.3	4.6	463	201	315	10 E	21	17	21	22
20	2.8	3.8	6.7	4.2	427	224	308	10 E	21	17	21	22
21	2.8	3.8	12	3.8	365	375	302	11 E	21	16	19	23
22	2.8	3.8	11	3.8	327	508	296	11 E	21	16	16	28
23	5.1	3.8	7.3	4.6	296	482	282	11 E	22	16	15	28
24	4.3	3.8	5.5	22	483	508	259	11 E	20	16	16	20
25	3.5	3.8	4.7	27	700	467	132	11 E	18	17	17	19
26	3.2	3.9	4.7	76	551	423	21	12 E	15	17	16	17
27	3.2	3.9	4.7	34	456	382	114	12 E	9.4	20	16	14
28	3.6	3.9	12	21	396	356	170	12 E	11	22	15	10
29	3.6	3.5	6.1	50		352	182	12 E	21	23	16	8.8
30	3.6	3.2	4.9	45		617	187	12 E	19	21	21	11
31	3.6		4.1	24		504		12 E		20	20	
Mean	5.8	4.2	7.8	15.5	267	304	311	69.0	15.8	21.1	21.2	19.0
Ac-Ft.	359	248	477	955	14850	18680	18530	4244	943	1297	1303	1128

E — Estimated NR — No Record

Total Discharge in Acre-Feet 63010

TABLE 111

DAILY MEAN DISCHARGE
DEER CREEK NEAR SMARTVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	11	16	34	133	482	3090	230	19	4.7	2.4	4.2
2	12	9.1	16	183	829	435	3900	214	22	4.5	2.3	4.2
3	13	8.2	17	103	1510	406	2590	206	27	4.5	2.9	4.7
4	12	8.8	16	61	447	365	1220	195	23	4.5	3.2	4.5
5	14	8.8	18	46	305	341	880	191	20	4.2	3.4	4.7
6	18	8.8	18	40	189	330	1250	169	18	4.2	3.7	5.0
7	14	8.8	16	36	406	297	720	159	18	4.0	3.7	5.0
8	13	9.5	15	33	520	341	562	144	19	3.7	4.2	4.7
9	12	9.5	13	32	305	286	482	138	20	3.7	4.5	4.5
10	13	9.5	18	327	288	269	465	124	18	3.4	4.2	4.7
11	14	11	21	183	194	254	438	142	20	3.2	3.4	6.2
12	15	10	22	94	1610	248	430	178	33	2.7	3.7	6.6
13	76	16	21	117	407	296	464	101	33	2.7	4.0	7.0
14	40	113	21	74	615	936	482	61	26	2.7	3.7	6.2
15	20	33	189	63	835	642	484	42	23	3.2	3.4	5.8
16	19	25	749	50	686	468	479	30	21	4.0	4.2	5.4
17	18	20	467	46	544	396	473	25	21	4.5	4.5	5.0
18	17	19	733	43	516	344	462	27	21	4.7	5.0	4.5
19	14	19	113	39	1350	319	445	24	22	4.2	4.7	4.2
20	14	17	71	37	681	384	432	20	18	3.2	4.0	4.7
21	16	16	194	34	509	1200	422	20	16	3.7	4.2	5.0
22	16	17	158	36	438	1340	409	28	14	4.2	4.0	5.8
23	24	17	73	39	390	1100	386	65	14	4.0	3.2	9.6
24	29	17	55	291	1650	1000	365	40	8.6	4.0	3.7	11
25	18	17	46	266	1680	783	287	36	7.4	4.0	3.4	9.6
26	16	17	42	1650	840	648	81	33	6.6	3.7	2.9	8.2
27	14	16	37	289	636	579	104	24	5.4	3.4	2.7	5.8
28	13	15	43	146	546	536	210	20	4.7	3.7	3.2	5.4
29	12	15	59	896		569	232	20	7.4	3.4	3.2	5.0
30	11	16	43	623		2280	240	19	5.4	3.2	3.4	5.0
31	11		37	179		1020		20		2.9	4.0	
Mean	18.1	17.9	108	196	681	609	749	88.5	17.7	3.8	3.6	5.7
Ac-Ft	1110	1070	6660	12080	37800	37480	44580	5440	1050	231	224	342

E — Estimated NR — No Record

Total Discharge in Acre-Feet 148100

TABLE 112

DAILY MEAN DISCHARGE
DRY CREEK AT VIRGINIA RANCH

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.0	3.0	12	42	177	270	2630	103	36	13	6.6	6.3
2	2.7	2.7	12	217	596	239	3770	98	37	13	6.3	6.3
3	2.4	2.8	12	108	1340	216	2190	93	43	13	5.7	6.3
4	2.1	2.7	12	71	575	193	1060	90	39	11	5.4	6.3
5	2.4	2.7	12	58	707	177	797	86	36	10	5.2	6.3
6	2.1	2.7	12	50	349	187	1080	83	35	9.5	5.0	6.3
7	2.1	2.7	12	44	982	163	645	82	39	8.6	5.0	6.6
8	2.3	2.7	12	40	1440	237	504	78	34	8.0	4.8	6.6
9	2.4	2.6	12	39	674	165	436	77	37	9.8	6.6	6.9
10	2.6	2.8	12	227	613	153	390	74	34	10	6.6	6.9
11	2.7	2.7	12	144	508	144	344	91	33	6.6	6.3	6.9
12	2.6	2.8	12	126	2130	143	312	111	37	6.3	6.0	6.6
13	8.8	4.8	12	188	572	148	286	83	43	6.0	5.7	6.3
14	6.9	19	13	93	782	598	168	71	33	5.7	5.7	6.3
15	4.6	7.6	46	72	892	507	191	64	28	5.7	5.2	6.3
16	4.1	5.4	1130	61	630	281	226	59	25	5.2	5.2	6.0
17	3.7	4.8	524	54	404	234	213	54	24	5.0	5.0	6.0
18	3.5	4.6	941	48	383	190	206	53	23	6.0	4.5	6.0
19	3.3	4.6	143	43	1180	167	193	52	23	5.7	3.9	5.7
20	3.3	4.3	111	41	539	309	180	50	22	5.4	3.9	5.7
21	3.3	4.1	357	38	372	1540	165	48	21	5.2	3.9	5.7
22	3.3	3.9	270	36	301	1070	156	54	20	4.5	3.9	5.7
23	4.1	4.1	100	45	268	851	149	77	19	4.3	3.6	6.3
24	5.2	11	73	482	1600	677	144	60	18	9.5	3.4	5.7
25	4.8	12	59	442	1150	464	137	50	18	5.4	3.4	5.7
26	3.9	11	52	2310	510	372	132	46	17	4.8	3.4	5.7
27	3.7	11	46	457	386	312	127	42	15	5.2	3.4	5.4
28	3.5	11	53	216	312	283	124	41	15	8.3	3.4	5.4
29	3.3	11	86	812		350	118	40	15	5.2	5.4	5.2
30	3.3	11	59	572		1470	111	39	14	4.3	5.7	5.2
31	3.1		48	264		590		37		6.3	6.0	
Mean	3.5	5.9	138	240	728	410	573	67.3	27.8	7.3	5.0	6.1
Acr-Ft.	216	353	8460	14760	40410	25190	34080	4140	1650	449	306	362

E — Estimated NR — No Record

Total Discharge in Acre-Feet 130400

TABLE 113

DAILY MEAN DISCHARGE
YUBA RIVER NEAR MARYSVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	340 E	380 E	460 E	1650 E	4600 E	8000 E	23000 E	6700	7810	2080	270 E	395
2	340 E	390 E	460 E	2290 E	5800 E	6800 E	27000 E	7110	8270	1940	270 E	405
3	340 E	410 E	460 E	1940 E	12000 E	6000 E	25000 E	7630	10500	1910	270 E	405 E
4	290 E	380 E	460 E	1600 E	8400 E	5400 E	15000 E	8180	7840	1750	265 E	410 E
5	330 E	300 E	470 E	1450 E	9400 E	5000 E	11000 E	10400	7320	1340	265 E	415 E
6	330 E	200 E	460 E	1300 E	8530	4670	11500 E	11700	7010	1260	270 E	420 E
7	340 E	280 E	460 E	1180 E	7490	4230	9500 E	11100	6510	1350	270 E	425 E
8	350 E	370 E	450 E	1100 E	11800	4310	8180	10500	6160	1200	270 E	430 E
9	400 E	420 E	420 E	1050 E	10700	3840	7450	11000	6850	1020	270 E	430
10	420 E	480 E	440 E	2300 E	9500 E	3600	7420	12000	6540	832	270 E	430
11	410 E	480 E	460 E	3000 E	8000 E	3470	7580	11700	6360	850	275 E	430
12	420 E	480 E	470 E	2500 E	19500 E	3340	7970	11800	5940	730	277	435
13	400 E	460 E	470 E	2700 E	16000 E	3380	8100	9720	6020	664	272	440
14	400 E	450 E	480 E	2410	13000 E	5460	8400 E	8970	5750	610	272	445
15	420 E	520 E	800 E	2070	11500 E	6230	9000 E	9500	6440	520 E	272	440
16	420 E	460 E	3300 E	1820	15500 E	5060	9000 E	10800	6570	480 E	272	435
17	420 E	460 E	1850	1660	12500 E	4720	9100 E	12100	6720	440 E	282	425
18	410 E	460 E	2480	1600	10400 E	4200 E	9200 E	13100	6640	420 E	272	435
19	400 E	460 E	1100 E	1500	18000 E	4000 E	9360	13700	6510	410 E	282	460
20	420 E	450 E	2100 E	1420	14000 E	4800 E	9280	13500	6040	390 E	295	450
21	420 E	440 E	3300 E	1330	10500 E	14000 E	9720	12500	5030	380 E	308	455
22	420 E	400 E	4100 E	1290	8800 E	14400 E	10300	12700	4600 E	360 E	304	455
23	410 E	430 E	2500 E	1220	8000 E	12200	9440	13000	4200 E	340 E	286	455
24	400 E	450 E	1900 E	2900 E	19000 E	13300	8050	13100	3800 E	320 E	254	450
25	390 E	450 E	1600 E	4200 E	36000 E	11500	7110	12200	3400 E	290 E	304	455
26	390 E	450 E	1400 E	11000 E	18800	10000	6380	11700	3130	320 E	322	445
27	390 E	450 E	1400 E	6400 E	12100	8860	6230	11200	2750	310 E	336	440
28	410 E	440 E	1500 E	4500 E	9400 E	8160	6230	11800	2460	300 E	360	435
29	410 E	450 E	2000 E	3600 E		8020	6260	9000	2280	280 E	375	420
30	410 E	460 E	1800 E	10500 E		17500 E	6460	8270	2250	270 E	380	405
31	400 E		1700 E	6000 E		12500 E		8550		270 E	385	
Mean	389	424	1331	2886	12470	7321	10270	10810	5723	762	293	432
Acr-Ft	23900	25210	81820	177500	692700	450100	611300	664900	340600	46880	18000	25740

E — Estimated NR — No Record

Total Discharge in Acre-Feet 3159000

TABLE 114

DAILY MEAN DISCHARGE
FEATHER RIVER BELOW SHANGHAI BEND

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2710	3440	3400	6480	17400	34600	35300	21500	17500	5480 E	1700 E	1810
2	2800	3370	3400	6940	13600	26700	46000	21700	17200	5010 E	1650 E	1880
3	2820	3280	3370	7930	22400	21400	61100	22200	20000	5180 E	1640 E	1980
4	2890	3250	3330	6880	27100	18500	52500	23000	18400	4870 E	1600 E	2020
5	3030	3000	3340	6100	26900	16400	40100	24400	15400	4390 E	1540 E	2040
6	3380	2890	3340	5700	28200	14900	34700	27000	15000	4090 E	1480 E	2160
7	3490	2860	3170	5370	22800	13800	32600	28600	14300	3890 E	1460 E	2230
8	3150	2840	3290	5270	27600	12900	27700	27900	13400	3820 E	1480 E	2280
9	3080	2910	3300	5160	32300	12400	24700	27200	13800	3490 E	1460 E	2160
10	2940	3100	3300	5810	32000	11300	23800	28100	13300	2950 E	1460 E	2110
11	2820	3120	3290	9150	27000	10600	23800	29400	12600	2920 E	1380 E	2200
12	2730	3250	3300	9020	30800	10400	24500	30400	12700	2670 E	1380	2340
13	2890	3360	3290	8830	52200	10300	26700	29700	15300	2540 E	1140	2500
14	5270	7340	3290	8090	44200	10800	28400	26400	16100	2460 E	1310	2520
15	4710	10200 E	3400	7200	39800	12100	30100	24300	15900	2340 E	1220	2290
16	3890	6270	6340 E	6540	43900	13000	31800	24300 E	15500	2240 E	1220	2560
17	3680	4810	17600	6190	47300	12700	32400	26500	15600	2200 E	1220	2320
18	3580	4400	19000	5860	40200	12400	33000	29200	15100	2160 E	1310	2500
19	3480	4230	16100	5560	41700	11900	33000	31400	14500	2120 E	1340	2440
20	3450	3930	10800	5540	58400	11600	32700	31800	13800	2090 E	1350	2200
21	3440	3750	10600	5240	49600	13200	33100	30100	12300	2050 E	1330	2360
22	3440	3680	15000	4980	38000	39400 E	34400	29400	12000	1970 E	1300	2500
23	3540 E	3570	12800	4860	30400	40300	35600	29700	11400	1850 E	1300	2350
24	3750 E	3540	9670	5430	28000	39300	33200	30700	10800	1840 E	1250	2270
25	4460 E	3520	8160	9460	77300	36400	28900	28900	9020 E	1760 E	1340	2370
26	4230	3480	7050	17200	86300	29900	25400	27000	8320 E	1750 E	1390	2140
27	3970	3450	6720	25200	61800	24500	23200	25400	7300 E	1800 E	1390	2050
28	3790	3420	6540	15100	45600	21200	22000	22000	6710 E	1780 E	1380	2100
29	3780	3420	7190	11500		18600	21400	20200	5940 E	1750 E	1460	2010
30	3720	3380	7730	27400		20500	21300	18700	5630 E	1740 E	1690	1940
31	3740		7030	28800		31600		18000		1720 E	1750	
Mean	3505	3902	7037	9316	39030	19790	31780	26290	13160	2804	1417	2221
Acr-Ft.	215500	232200	432700	572800	2168000	1217000	1891000	1617000	783100	172400	87110	132200

E — Estimated NR — No Record

Total Discharge in Acre-Feet 9521000

TABLE 115

DAILY MEAN DISCHARGE
WOLF CREEK NEAR WOLF

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	15	26	55	222	268	2220	68	25	14	7.6	7.2
2	25	16	26	240	571	236	2860	64	32	13	6.2	7.2
3	24	20	25	147	1290	217	2410	56	37	15	6.6	6.2
4	20	15	22	103	582	202	1190	54	30	14	7.6	7.2
5	46	16	22	82	445	191	815	54	26	15	7.9	7.9
6	27	16	20	74	303	191	1140	48	26	16	7.6	6.9
7	18	16	18	68	435	176	722	45	26	16	6.9	7.2
8	16	17	17	66	491	215	567	42	26	16	8.3	9.4
9	14	16	16	65	367	166	484	41	29	19	7.9	12
10	14	19	16	358	399	154	432	43	29 E	17	7.6	14
11	15	24	15	263	284	147	386	60	44 E	14	7.6	14
12	14	20	15	178	1460	149	358	93	52	12	7.6	15
13	144	50	14	215	539	231	326	62	48	15	6.6	16
14	67	221	14	142	513	848	300	50	32	18	6.2	15
15	29	68	154	118	488	744	282	42	23	17	6.9	16
16	19	46	578	102	367	547	253	38	22	19	7.2	15
17	20	37	366	89	279	370	243	32	19	22	9.4	13
18	17	36	527	76	300	287	227	32	17	22	11	15
19	18	35	142	67	828	238	182	31	18	18	8.7	15
20	15	33	92	64	432	330	158	30	16	13	8.7	15
21	15	32	234	60	312	959	142	32	15	13	9.1	18
22	14	31	202	56	263	1150	133	60	15	12	8.3	19
23	33	31	106	60	238	801	128	107	16	11	7.2	32
24	38	29	81	328	994	854	122	67	14	10	5.9	22
25	22	30	62	300	1090	582	121	52	15	9.4	7.6	20
26	18	30	59	1320	543	428	114	44	15	9.4	7.6	19
27	17	27	52	477	386	364	110	39	14	8.7	6.9	19
28	17	26	72	251	312	337	102	34	13	8.3	6.2	17
29	17	26	106	697		348	98	29	14	11	6.6	17
30	16	26	78	744		2050	88	26	14	10	7.9	16
31	16		64	309		805		24		9.1	7.9	
Mean	26.2	34.1	105	231	526	470	557	48.4	24.1	14.1	7.6	14.4
Acr-Ft	1613	2031	6428	14230	29220	28930	33150	2973	1432	867	467	859

E — Estimated NR — No Record

Total Discharge in Acre-Feet 122200

TABLE 116

DAILY MEAN DISCHARGE
BEAR RIVER NEAR WHEATLAND

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	28	56	186	928	1210	8600	20	202	11	10	9.0
2	239	27	71	519	1380	1060	9760	50	162	18	9.6	8.6
3	116	26	73	485	4860	964	11400	504	198	11	16	8.6
4	43	26	71	293	2530	892	5730	547	222	10	15	8.2
5	41	20	67	216	2550	801	4200	542	177	9.6	15	6.6
6	63	21	69	186	1880	795	4530	536	165	9.6	13	7.4
7	41	22	69	174	1780	741	3440	504	173	9.6	15	4.1
8	34	25	56	151	2220	777	2530	471	160	8.6	12	10
9	31	25	47	145	1770	710	2230	444	133	8.6	11	12
10	31	26	44	624	1760	662	1970	444	181	9.6	9.6	13
11	33	27	43	824	1370	626	2000	471	124	6.0	8.6	12
12	33	33	44	408	4930	596	1730	564	173	3.8	9.6	20
13	66	36	47	403	3340	735	1580	515	189	7.7	9.6	13
14	174	181	46	379	2130	1450	1550	428	149	7.0	2.9	15
15	71	159	79	331	2510	3060	1520	373	108	4.7	7.2	12
16	51	145	993	278	1920	1870	1420	348	80	5.8	11	11
17	43	95	1270	247	1530	1570	1350	332	77	5.0	12	9.6
18	38	82	1700	228	1320	1130	1300	319	47	5.0	7.0	11
19	28	84	758	193	3310	982	1230	295	31	9.6	8.2	12
20	29	82	413	174	2350	1030	1110	279	11	9.0	8.2	13
21	27	78	346	156	1580	2990	1090	271	15	8.6	7.4	13
22	26	63	906	137	1220	5140	1060	279	13	7.0	7.4	12
23	28	52	430	139	1070	3350	1030	390	10	9.0	9.0	13
24	46	47	346	372	2260	4100	887	352	9.6	8.2	11	12
25	43	46	247	1160	5810	3220	810	307	9.0	9.6	8.6	12
26	34	43	193	3500	2980	2480	732	275	8.2	13	7.8	11
27	31	47	186	2280	1900	2020	700	258	10	16	5.8	15
28	31	44	182	1070	1480	1820	683	246	10	12	8.2	11
29	31	44	312	1090		1620	377	234	13	14	9.0	11
30	30	41	258	3460		7640	37	246	12	12	7.4	9.6
31	29		212	1450		4660		226		12	9.0	
Mean	52.0	55.8	311	686	2310	1958	2553	357	95.7	9.4	9.7	11.2
Ac-Ft.	3200	3320	19110	42160	128300	120400	151900	21960	5700	576	597	666

E — Estimated NR — No Record

Total Discharge in Acre-Feet 497900

TABLE 117

DAILY MEAN DISCHARGE
DRY CREEK NEAR WHEATLAND

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	0.4	1.3	12	87	114	2290	22	10	0	2.6	0
2	14	0	1.3	157	384	91	2760	19	7.6	0	0.6	0
3	12	0	1.3	97	1870	77	2070	17	7.6	0	0	0
4	8.7	0	1.3	43	398	63	625	16	8.2	0	0	0
5	7.5	0	2.2	29	291	55	424	15	12	0	0	0
6	8.1	0	2.6	20	155	50	936	15	9.5	0	0	0
7	7.5	0	1.9	18	349	43	500	15	7.0	0	0	0
8	4.8	0	3.0	15	625	52	281	15	11	0	0	0
9	4.3	0	2.6	13	343	45	201	14	12	0	0	0
10	3.4	0	2.6	159	382	37	162	14	8.9	0	0	0
11	3.4	0.2	3.0	123	206	36	133	15	7.0	0	0	7.2
12	2.6	0.8	3.4	60	1600	32	104	22	7.6	0	0	8.2
13	3.9	3.4	3.9	63	459	33	87	22	14	0	0	3.6
14	18	6.9	3.4	46	281	174	77	20	15	0	0	1.9
15	14	18	7.5	33	320	347	70	19	14	0	0	0.8
16	7.5	7.5	151	29	199	157	59	12	14	0	0	0.6
17	5.3	4.3	199	24	145	119	54	18	10	0	0	26
18	3.4	3.4	266	21	193	78	51	16	8.2	0	0	4.1
19	2.6	2.6	67	18	1120	66	52	15	7.6	0	0	1.9
20	1.9	2.2	30	18	404	75	55	16	8.9	0	0	0.6
21	1.3	2.2	20	17	211	705	48	17	5.2	0	0	0.6
22	0.8	1.6	65	15	155	1000	45	13	2.3	4.6	0.5	1.0
23	1.9	1.3	33	14	129	480	39	22	1.6	5.8	1.3	2.6
24	4.3	1.3	20	69	713	545	34	23	0.1	5.8	0.8	3.6
25	4.8	1.3	14	162	1240	304	31	19	0	4.7	0.8	6.4
26	3.0	1.3	12	1350	375	199	29	16	0	4.1	0.2	4.1
27	2.2	2.2	12	442	213	160	30	14	0	5.8	0.4	4.1
28	1.6	2.2	11	149	162	136	30	6.3	0	5.8	0.1	5.8
29	0.8	1.6	11	145		124	27	0	0	4.7	0	4.7
30	0.6	1.6	14	592		1330	24	3.0	0	3.6	0	4.7
31	0.6		12	148		401		12		3.6	0	
Mean	5.5	2.2	31.6	132	465	230	378	15.6	7.0	1.6	0.2	3.1
Ac-Ft	337	132	1940	8130	25800	14140	22470	957	415	96	14	183

E — Estimated NR — No Record

Total Discharge in Acre-Feet 74610

TABLE 118

DAILY MEAN DISCHARGE
FEATHER RIVER AT NICOLAUS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2600 E	3510 E	3460	7080	27000	38000	37000	24000	19600	4790	1760	1710
2	2670 E	3440 E	3500	7000	17000	32000	56000	23800	18600	4370	1750	1820
3	2790 E	3290 E	3540	8600	18000	27000	66000	24400	20400	4420	1740	1910
4	2780 E	3220 E	3530	8010	33000	23000	66500	24800	20800	4250	1720	1960
5	2850 E	3210 E	3500	7170	27000	21000	54000	25700	17100	3940	1650	1990
6	2890 E	3150 E	3530	6350	30000	18000	35000	27500	16500	3460	1570	2140
7	3170 E	3080 E	3400	5780	28000	17000	35500	28200	15700	3150	1530	2190
8	3070 E	3120 E	3470	5540	25000	16000	33000	27500	14700	3170	1550	2280
9	2960 E	3130 E	3470	5310	34000	15000	30000	27000	14800	2980	1570	2300
10	2930 E	3170 E	3460	5630	32000	14000	27000	27700	14400	2570	1540	2160
11	2850 E	3210 E	3500	8440	30000	13000	26000	28600	13700	2320	1400	2160
12	2720 E	3240 E	3500	9780	27000	12000	26000	29300	13500	2150	1280	2320
13	2700 E	3360 E	3500	9320	52000	11500	27000	28800	15400	1980	1100	2480
14	3160 E	3200 E	3500	9560	51000	13000	29000	26400	17100	1990	1100	2570
15	4820 E	3000 E	3590	9110	38000	15000	30000	25000	16900	2010	1140	2480
16	4510 E	2860	4940	8720	40000	19000	31000	24800	16500	1950	1060	2610
17	4090 E	5340	15000	8150	47000	17000	32000	26100	16600	1960	1050	2450
18	3670 E	4590	18100	7530	41000	15000	32000	27600	16200	1930	1110	2490
19	3520 E	4240	17700	6780	36000	14000	33000	29000	15600	1930	1160	2560
20	3470 E	4030	12200	6280	55000	13000	33300	29800	15000	1960	1180	2260
21	3450 E	3870	11000	6020	52000	18000	33400	29200	13300	1940	1140	2280
22	3380 E	3770	13400	5470	40000	40000	34200	28500	12800	1940	1110	2500
23	3450 E	3680	13800	5250	32000	46000	35000	28500	12000	1840	1130	2510
24	3690 E	3610	11000	5350	28000	39000	32900	29100	11100	1800	1080	2470
25	4020 E	3580	9170	8940	55000	41000	29800	28600	10300	1800	1070	2580
26	4470 E	3570	7780	14900	100000	36000	27700	27600	8780	1770	1220	2500
27	4160 E	3520	6900	26300	75000	30000	26200	26600	7300	1790	1240	2300
28	4100 E	3500	6640	18000	55000	25000	25200	25000	6700	1840	1200	2270
29	3790 E	3480	6890	13000		23000	24600	23200	5630	1810	1260	2250
30	3640 E	3470	7880	14000		22000	24000	21700	5250	1820	1500	2140
31	3500 E		7570	37000		46000		20000		1770	1660	
Mean	3415	3515	7175	9818	40180	23530	34410	26580	14080	2497	1341	2288
Ac-Ft	210000	209100	441200	603700	2231000	1447000	2048000	1634000	837500	153500	82450	136100

E — Estimated NR — No Record

Total Discharge in Acre-Feet 10030000

TABLE 119

DAILY MEAN DISCHARGE
COON CREEK AT HIGHWAY 99E

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	68	20	20	26	146	151	2290	23	21	6.5	5.4	6.5
2	59	20	18	244	411	135	2450	21	22	6.9	4.2	6.9
3	55	20	17	119	1340	114	2130	18	25	8.8	3.7	7.9
4	54	21	17	54	355	101	698	18	23	9.7	4.7	9.2
5	54	22	17	42	295	94	435	14	20	7.9	4.5	9.7
6	54	21	19	34	193	92	920	12	18	7.2	4.2	11
7	54	19	19	34	344	83	459	12	18	7.6	4.2	13
8	55	18	19	33	372	85	307	14	23	5.4	6.5	12
9	54	18	18	34	256	80	249	14	28	7.0	4.7	9.2
10	56	19	17	231	303	75	193	13	20	7.6	4.2	9.7
11	61	22	17	130	198	72	161	19	25	5.4	6.5	9.2
12	62	22	16	68	1140	68	137	31	51	6.8	6.5	8.8
13	168	23	15	130	355	80	114	29	46	4.2	4.7	11
14	137	55	13	69	271	362	98	25	38	7.6	7.2	9.2
15	61	37	83	55	259	462	81	22	27	11	4.5	9.7
16	45	34	294	47	172	360	73	18	24	7.6	4.7	11
17	41	31	194	45	124	224	66	18	20	4.7	8.8	12
18	44	30	229	41	156	140	63	15	15	4.7	8.8	12
19	45	26	73	44	936	108	58	16	15	4.0	7.6	13
20	46	24	40	41	344	165	55	18	16	4.2	7.9	11
21	47	22	38	39	221	676	47	19	16	5.8	7.6	11
22	42	21	105	42	161	1130	46	26	14	6.5	7.2	12
23	47	21	38	45	133	472	44	75	12	7.6	9.7	25
24	59	21	34	162	351	564	38	51	10	6.9	11	30
25	49	21	28	244	1000	353	29	40	7.2	7.2	9.7	24
26	38	21	26	1120	351	259	33	36	7.9	7.2	7.9	25
27	29	20	25	375	249	201	39	30	7.2	7.6	7.6	24
28	25	20	25	180	185	188	38	30	10	7.9	4.5	24
29	18	19	30	181		169	31	29	7.2	7.9	3.7	21
30	19	20	28	895		1700	29	26	7.2	6.9	5.1	22
31	20		26	233		470		21		7.6	7.6	
Mean	53.7	23.6	50.3	162	379	298	380	24.3	19.8	6.9	6.3	14.0
Ac-Ft	3304	1404	3090	9991	21070	18310	22630	1494	1178	424	387	833

E — Estimated NR — No Record

Total Discharge in Acre-Feet 84120

TABLE 120

DAILY MEAN DISCHARGE
AUBURN RAVINE AT LINCOLN

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	21	20	41	95	107	753	28 E	47	51	46	45
2	30	22	21	133	249	90	920	33 E	45	50	50	41
3	22	22	22	55	461	85	790 E	39 E	73	60	49	31
4	26	17	27	50	200	79	391 E	45 E	44	74	50	27
5	31	19	47	42	184	76	251 E	53 E	51	72	52	21
6	31	18	46	40	143	72	346 E	56 E	50	69	56	19
7	30	18	47	41	236	64	290 E	62 E	48	65	58	20
8	26	20	47	41	214	72	179 E	69 E	45	61	57	22
9	20	29	46	41	182	57	142 E	70	56	63	59	7.1
10	21	31	37	97	185	53	120 E	78	47	53	56	2.5E
11	17	34	37	48	151	49	104 E	90	60	49	53	2.8E
12	14	30	38	44	569	48	86 E	90	61	55	51	3.2E
13	90	36	40	64	241	62	82 E	83	60	51	52	4.4E
14	40	92	44	48	209	229	76 E	73	54	58	53	5.6
15	26	36	90	45	178	258	68 E	74	46	68	56	5.8
16	26	27	146	45	142	239	58 E	87	42	70	60	3.5E
17	17	24	89	44	123	141	56 E	60	37	68	63	3.8E
18	17	25	174	43	146	108	56 E	62	40	63	63 E	6.0
19	14	24	77	42	424	91	49 E	67	40	55	61 E	6.2
20	16	24	58	41	225	122	40 E	60	41	55	59 E	7.9
21	16	23	68	40	162	290	35 E	41	41	55	57 E	9.2
22	19	19	56	38	137	489	31 E	50	42	50	55 E	11
23	24	19	47	41	124	270	37 E	88	41	50	53 E	24
24	23	19	46	113	259	313	51 E	91	38	48	53 E	16
25	22	22	38	82	437	205	39 E	74	36	46	50 E	14
26	21	24	37	427	208	161	27 E	87	35	46	48	12
27	16	23	39	169	152	137	19 E	75	45	46	45	14
28	15	23	42	93	127	128	13 E	68	44	48	44	13
29	15	23	41	152		123	18 E	49	44	48	44	14
30	18	22	40	343		595	22 E	49	47	46	45	14
31	20		37	106		278		63		45	44	
Mean	24.5	26.2	53.0	85.5	220	164	172	65.0	46.7	56.1	53.0	14.2
Ac-Ft.	1507	1559	3261	5254	12220	10100	10210	3995	2777	3447	3257	845

E — Estimated NR — No Record

Total Discharge in Acre-Feet 58430

TABLE 121

DAILY MEAN DISCHARGE
NATOMAS CROSS CANAL AT HEAD

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	106	31	32									
2	100	21	33									
3	84	26	30									
4	71	30	26									
5	68	28	30									
6	70	20	41									
7	72	13	44									
8	73	14	48									
9	63	13	47									
10	54	20	47									
11	53	26	42									
12	60	26	40									
13	70	29	40									
14	133	50	42									
15	262	102	55									
16	253	80 E	132 E									
17	190 E	65 E	495 E									
18	67	58 E	340 E									
19	49	58	440 E									
20	39	50	120 E									
21	48	46	74 E									
22	54	42	77 E									
23	53	37	128 E									
24	53	35	60 E									
25	66	34	52 E									
26	62	36	42 E									
27	62	37	33 E									
28	43	35	35 E									
29	32	33	38 E									
30	24	37	48 E									
31	27		43 E									
Mean	79.4	37.7	88.8									
Ac-Ft	4881	2245	5462									

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 122

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1001 DRAINAGE TO NATOMAS CROSS CANAL*

In second-feet

Date	1956			1957								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	25	0	0	25	0	0	0
2	0	0	0	0	0	20	0	0	22	0	0	0
3	0	0	0	0	0	15	0	0	19	0	0	0
4	0	0	0	0	0	18	0	0	34	0	0	0
5	0	0	0	0	0	35	0	0	15	0	0	0
6	0	0	0	0	0	42	0	0	0	0	0	0
7	0	0	0	0	0	32	39	0	40	0	0	0
8	0	0	0	0	0	23	0	39	19	0	0	0
9	0	0	0	0	0	18	0	0	16	0	0	0
10	0	0	0	0	0	17	0	46	0	0	0	0
11	0	0	0	0	0	14	0	44	34	0	0	0
12	0	0	0	0	0	15	0	29	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	25	0	0	0	0	0	0
15	0	0	0	0	0	13	26	39	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	18	0	42	0	0	0	0
18	0	0	0	0	0	16	0	0	0	0	0	0
19	0	0	0	0	0	0	0	52	0	0	0	0
20	0	0	0	0	0	0	0	118	0	0	0	0
21	0	0	0	0	0	0	39	37	0	0	0	0
22	0	0	0	33	0	0	0	68	0	0	0	0
23	0	0	0	0	0	0	0	59	0	0	0	0
24	0	0	0	0	66	41	0	53	0	0	0	0
25	0	0	0	0	51	0	0	50	0	0	0	0
26	0	0	0	0	47	0	0	37	0	0	0	0
27	3.8	0	0	0	49	0	0	41	0	0	0	0
28	2.2	0	0	0	25	0	0	38	0	0	0	0
29	0	0	0	0		0	0	35	0	0	0	33
30	0	0	0	0		0	0	37	0	0	0	0
31	0		0	0		42		26		0	0	
Mean	0.2	0	0	1.1	8.5	13.8	3.5	28.7	7.5	0	0	1.1
AcrFt.	12	0	0	65	472	851	206	1765	444	0	0	65

E — Estimated NR — No Record

Total Discharge in Acre-Feet 3880

* Revised 1957 water year record.

TABLE 123

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1001 DRAINAGE TO NATOMAS CROSS CANAL

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	21	166	410	15	53	0	0	0
2	24	0	0	0	56	84	426	17	54	0	0	0
3	0	0	0	38	130	56	426	20	49	0	0	0
4	0	0	0	29	117	59	436	17	49	0	0	0
5	0	0	23	22	72	43	439	17	61	0	0	0
6	0	13	0	23	51	45	439	26	66	0	0	0
7	0	6.5	0	0	79	33	436	20	64	0	0	0
8	0	12	0	22	81	39	436	23	50	0	0	0
9	30	16	0	13	78	32	426	31	67	0	0	0
10	0	16	0	9.5	61	31	359	35	46	0	0	0
11	0	0	0	0	83	22	147	25	39	0	0	0
12	0	18	0	31	239	35	69	40	38	0	0	0
13	9.9	0	0	14	161	20	58	39	54	0	0	0
14	19	24	0	22	80	41	50	55	60	0	0	0
15	0	0	20	0	76	20	47	48	53	0	0	0
16	0	0	0	24	57	36	47	58	44	0	0	0
17	0	0	11	23	43	31	46	52	46	0	0	0
18	0	0	11	0	184	23	42	53	37	0	0	0
19	0	0	0	22	387	24	34	52	41	0	0	0
20	0	0	37	0	390	30	42	53	36	0	0	0
21	0	0	0	0	359	170	39	58	54	0	0	0
22	0	0	24	0	229	301	33	61	22	0	0	0
23	0	0	0	0	103	300	28	87	43	0	0	0
24	0	0	0	0	46	187	31	83	48	0	0	0
25	0	0	0	21	375	130	37	82	34	0	0	0
26	0	0	0	133	368	93	35	61	48	0	0	0
27	33	0	0	86	381	68	19	62	36	0	0	0
28	0	0	0	83	351	62	40	63	39	0	0	0
29	0	0	24	51		68	22	57	43	0	0	0
30	0	0	0	43		183	19	57	0	0	0	0
31	0		0	26		124		49		0	0	
Mean	3.7	3.5	4.8	23.7	166	82.5	171	45.7	45.8	0	0	0
AcrFt.	230	209	298	1459	9239	5070	10150	2809	2725	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 32190

TABLE 124

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT VERONA

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16400	14700	14500	29700	59100	64000	54300	41700	35700	12500	10200	12500
2	15500	14400	14100	28200	59100	62200	56000	39900	34500	12100	10400	12800
3	14800	14100	13800	29600	60900	60900	58400	38800	33100	12200	10700	13100
4	14100	13900	13700	31500	62200	59500	57800	38600	33800	12900	10900	13000
5	13600	13800	13800	30500	62400	58100	56100	38600	32900	12700	10800	13000
6	13500	13300	13800	28200	63300	57000	55400	39300	31500	12000	10600	13200
7	14600	12700	13600	25900	64000	55600	55100	40300	29800	11700	10500	13700
8	14600	12900	13700	24300	64400	54000	55700	40500	28100	11200	10300	14000
9	14400	13000	13600	23200	64500	52500	56100	40100	27200	11000	10300	14700
10	13900	13200	13200	23000	64600	50300	57400	40600	26800	10600	10500	14600
11	14400	12600	12600	26000	64300	47200	56800	41700	26900	10500	10500	14600
12	17100	12300	12900	31500	64300	44100	55700	42800	26600	10500	10400	14800
13	18000	12900	13200	33100	65400	41100	54900	44300	27100	10400	10300	15100
14	19200	14000	13100	34400	65300	39100	54400	44900	29800	10300	10200	15100
15	26400	22800	13300	35000	64500	40300	54100	44400	30400	10100	10300	14800
16	27300	28500	14000	35100	64000	41400	54000	43600	29800	10100	10300	14200
17	24000	27300	22900	34200	64100	40700	53800	43600	29100	10100	10300	13700
18	21000	23400	32400	32700	63700	38800	53800	44400	28600	10200	10600	12600
19	18900	19900	36600	30600	64000	35700	53400	45600	27800	10300	11100	12500
20	17500	18200	36400	28500	65500	33300	53100	46500	26800	10300	11400	12200
21	16500	17700	34100	26700	67000	35100	52900	46900	25000	10400	11400	11500
22	15700	17400	33300	24800	66600	46600	53100	46700	23400	10400	11400	11700
23	15400	17400	35400	24100	64900	55600	53400	46600	22100	10100	11400	11700
24	15400	17400	35800	24000	63300	57900	53500	47200	20900	9960	11500	11800
25	15800	17300	33500	27300	65500	58100	52800	47900	19600	9920	11600	12000
26	16900	16900	30300	36600	68700	56800	51500	47800	18200	10100	11700	12100
27	16600	16700	27400	47600	68500	55500	50100	46900	16500	10200	11800	11800
28	15800	16300	25600	53100	66300	54000	48400	45600	15100	10200	11700	11600
29	15400	15900	25300	54600		52200	46100	43400	13900	10100	11700	11600
30	15200	15100	28100	57700		50300	43700	41000	13000	10000	12000	11400
31	14800		30500	59500		53600		38000		10200	12700	
Mean	16860	16530	22080	33260	64300	50050	53730	43170	26130	10750	10950	13050
Ac-Ft	1037000	983800	1358000	2045000	3571000	3077000	3197000	2654000	1555000	661100	673400	776300

E — Estimated NR — No Record

Total Discharge in Acre-Feet 21590000

TABLE 125

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1000 DRAINAGE TO SACRAMENTO RIVER (Pritchard Lake)

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	0	0	0	0	17	121	0 E	0 E	0 E	0 E	7.0E
2	9.0	0	0	0	22	34	126	0 E	0 E	0 E	0 E	0 E
3	2.8	0	0	0	107	28	125	0 E	0 E	0 E	0 E	0 E
4	2.6	0	0	0	65	0	125	0 E	0 E	0 E	0 E	0 E
5	2.4	0	0	0	4.0	0	125	0 E	0 E	0 E	0 E	0 E
6	2.2	0	0	0	5.0	0	125	0 E	0 E	0 E	0 E	0 E
7	2.0	0	0	0	111	0	125	0 E	0 E	0 E	0 E	0 E
8	1.8	0	0	0	78	0	125	0 E	0 E	0 E	0 E	0 E
9	1.6	0	0	0	46	0	105	0 E	0 E	0 E	0 E	0 E
10	1.4	0	0	0	31	0	30	0 E	0 E	0 E	0 E	0 E
11	1.2	0	0	0	35	0	26	0 E	0 E	0 E	0 E	0 E
12	1.0	0	0	0	124	0	0	0 E	0 E	0 E	0 E	0 E
13	0.8	0	0	0	123	0	0	0 E	0 E	0 E	0 E	0 E
14	0.6	0	0	0	84	0	0	0 E	0 E	0 E	0 E	0 E
15	0.4	0	0	0	67	0	0	0 E	0 E	0 E	0 E	0 E
16	0.2	0	0	0	0	0	0	0 E	0 E	0 E	0 E	0 E
17	0	0	0	0	0	0	0	0 E	0 E	0 E	0 E	0 E
18	0	0	0	0	106	0	0	0 E	0 E	0 E	0 E	0 E
19	0	0	0	0	125	0	0	0 E	0 E	0 E	0 E	0 E
20	0	0	0	0	125	0	0	0 E	0 E	0 E	0 E	0 E
21	0	0	0	0	124	37	0	0 E	0 E	0 E	0 E	0 E
22	0	0	0	0	123	126	0	0 E	0 E	0 E	0 E	0 E
23	0	0	0	0	103	125	0	0 E	0 E	0 E	0 E	0 E
24	0	0	0	0	104	109	0	0 E	0 E	0 E	0 E	0 E
25	0	0	0	0	125	35	0	0 E	0 E	0 E	0 E	0 E
26	0	0	0	65	124	13	0	0 E	0 E	0 E	0 E	0 E
27	0	0	0	16	122	0	0	0 E	0 E	0 E	0 E	0 E
28	0	0	0	0	89	0	0	0 E	0 E	0 E	0 E	0 E
29	0	0	0	0		6.0	0	0 E	0 E	0 E	0 E	0 E
30	0	0	0	12		85	0	0 E	0 E	0 E	0 E	0 E
31	0		0	21		46		0 E		0 E	0 E	
Mean	1.4	0	0	3.7	77.6	21.3	38.6	0	0	0	0	0.2
Ac-Ft.	89	0	0	226	4308	1311	2297	0	0	0	0	14

E — Estimated NR — No Record

Total Discharge in Acre-Feet 8245

TABLE 126

DAILY MEAN DISCHARGE
SACRAMENTO WEIR SPILL TO YOLO BYPASS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	28	760	676	0	0	0	0	0
2	0	0	0	0	35	644	880	0	0	0	0	0
3	0	0	0	0	158	555	2340	0	0	0	0	0
4	0	0	0	0	248	340	2820	0	0	0	0	0
5	0	0	0	0	240	240	2580	0	0	0	0	0
6	0	0	0	0	270	177	2390	0	0	0	0	0
7	0	0	0	0	355	93	3780	0	0	0	0	0
8	0	0	0	0	418	10	1370	0	0	0	0	0
9	0	0	0	0	457	0	977	0	0	0	0	0
10	0	0	0	0	459	0	953	0	0	0	0	0
11	0	0	0	0	450	0	807	0	0	0	0	0
12	0	0	0	0	499	0	495	0	0	0	0	0
13	0	0	0	0	574	0	356	0	0	0	0	0
14	0	0	0	0	557	0	300	0	0	0	0	0
15	0	0	0	0	538	0	263	0	0	0	0	0
16	0	0	0	0	518	0	243	0	0	0	0	0
17	0	0	0	0	519	0	223	0	0	0	0	0
18	0	0	0	0	555	0	200	0	0	0	0	0
19	0	0	0	0	778	0	120	0	0	0	0	0
20	0	0	0	0	922	0	55	0	0	0	0	0
21	0	0	0	0	950	0	31	0	0	0	0	0
22	0	0	0	0	800	0	23	0	0	0	0	0
23	0	0	0	0	637	135	20	0	0	0	0	0
24	0	0	0	0	560	565	26	0	0	0	0	0
25	0	0	0	0	789	677	0	80	0	0	0	0
26	0	0	0	0	2240	627	0	104	0	0	0	0
27	0	0	0	0	3110	566	0	37	0	0	0	0
28	0	0	0	0	1020	420	0	0	0	0	0	0
29	0	0	0	0		211	0	0	0	0	0	0
30	0	0	0	0		184	0	0	0	0	0	0
31	0		0	27		408		0		0	0	
Mean	0	0	0	0.9	667	213	731	7.1	0	0	0	0
Ac-Ft.	0	0	0	54	37060	13110	43490	438	0	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 94150

TABLE 127

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1000 DRAINAGE TO SACRAMENTO RIVER (Second Bannon Slough)

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	0	0	60	81	193	623	0	97	45	0	61
2	71	0	58	281	272	149	617	50	59	50	0	90
3	0	0	0	14	519	152	611	67	80	28	0	245
4	0	0	0	74	313	157	611	45	125	70	0	164
5	81	0	0	0	187	157	611	0	111	68	0	165
6	0	43	41	76	164	157	610	54	127	64	0	165
7	0	0	51	73	333	78	608	35	100	68	0	166
8	0	0	0	0	339	83	614	49	88	45	0	202
9	0	0	0	0	153	82	605	54	99	35	0	165
10	35	0	0	106	154	139	578	82	92	0	0	212
11	0	0	0	74	221	121	349	50	77	0	0	215
12	0	0	78	0	620	83	211	64	104	0	0	251
13	0	62	0	78	422	113	186	63	73	0	0	167
14	56	62	0	77	230	161	153	66	63	0	0	191
15	0	0	0	76	150	129	151	49	108	0	0	165
16	0	0	67	0	151	101	75	82	73	0	0	164
17	0	0	82	0	150	126	106	51	68	0	0	162
18	0	0	68	61	459	114	114	99	66	0	0	112
19	56	0	68	0	624	84	110	101	66	0	0	74
20	0	0	42	58	612	202	112	55	68	0	0	61
21	0	0	0	0	611	429	88	63	68	0	0	77
22	0	0	0	0	587	588	109	120	49	0	0	48
23	0	0	0	99	362	590	70	149	61	0	0	63
24	0	0	24	63	195	528	70	164	68	0	0	62
25	54	0	0	169	578	288	62	119	70	0	0	0
26	0	0	54	377	601	146	61	85	68	0	0	0
27	0	0	0	230	583	211	71	122	68	0	65	0
28	0	0	0	159	404	154	60	92	66	0	64	0
29	0	0	0	106		185	65	81	61	0	66	0
30	0	0	0	162		382	0	64	45	0	63	0
31	0		53	159		343		97		0	85	
Mean	13.4	5.6	22.1	84.9	360	207	277	73.3	78.9	15.3	11.1	115
Ac-Ft.	823	331	1361	5220	19980	12740	16480	4506	4697	938	680	6837

E — Estimated NR — No Record

Total Discharge in Acre-Feet 74590

TABLE 128

DAILY MEAN DISCHARGE
LINDA CREEK NEAR ROSEVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	53	45	41	61 E	112	152	1800	53	34	21	23	14
2	52	45	42	235 E	382	134	2010 E	50	39	22	22	12
3	51	38	42	110	863	122	1950	56	43	22	22	8.3
4	48	39	42	76	306	109	651	56	40	23	22	8.3
5	49	40	44	66	262	105	471	53	34	22	22	11
6	48	40	43	60	173	104	870	51	34	22	21	12
7	47	40	41	57	382	100	481	43	32	20	21	12
8	48	37	43	55	332	105	330	44	37	21	25	18
9	41	33	47	57	202	101	276	46	48	22	22	16
10	45	34	46	165	220	96	235	46	48	21	22	17 E
11	50	37	46	100	157	96	197	53	67	18	22	17 E
12	49	37	44	78	815	91	158	61	99	15	22	17
13	68	42	41	87	349	123	141	54	86	17	22	18
14	73	87	42	72	231	286	129	49	76	20	19	16
15	62	67	81 E	68	196	605	118	44	55	23	17	20
16	53	54	148 E	61	152	575	113	38	45	26	14	16
17	50	51	145 E	59	122	306	108	36	38	31	16	15
18	50	48	200	59	251 E	195	97	32	37	31	15	18
19	50	48	100	56	800 E	150	87	30	35	28	12	17
20	45	48	77	52	378	245	84	27	35	30	10	17
21	44	47	72	50	226	674	80	25	29	32	12	18
22	47	49	81	48	183	1160	72	37	23	32	12	23
23	54	42	69	61 E	156	492	80	87	22	33	12	39
24	55	43	64	200 E	396	655	72	66	19	32	13	47
25	51	41	57	140 E	952	410	63	60	18	31	14	46
26	49	41	53	800 E	375	289	62	53	22	27	12	39
27	46	40	55	300 E	244	235	62	47	28	28	8.9	31
28	46	39	55	162 E	190	215	63	44	29	30	8.3	26
29	47	39	55	275 E		228	57	39	21	30	8.9	23
30	45	40	48 E	640 E		968	53	34	20	26	9.6	24
31	46		48 E	184		431		33		25	12	
Mean	50.4	44.3	64.9	145	336	308	366	46.7	39.8	25.2	16.6	20.5
Acr-Ft.	3098	2640	3991	8914	18660	18960	21760	2870	2366	1549	1019	1221

E — Estimated NR — No Record

Total Discharge in Acre-Feet 87050

TABLE 129

DAILY MEAN INFLOW
FOLSOM RESERVOIR

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	492	664	806	1770	4310	8190	25600	11400	13500	3890	1080	446
2	540	610	834	2180	5050	6850	33200	12400	12000	3600	972	426
3	423	604	813	1820	10600	6360	40100	13600	14300	3380	1120	384
4	536	539	811	1710	8340	5510	21400	15200	10600	3310	942	471
5	627	659	796	1510	11500	5040	16500	17100	10500	3280	971	426
6	644	655	810	1400	8650	4930	17500	18400	10400	3300	767	454
7	704	672	811	1450	7130	4420	12200	17600	9050	3280	772	555
8	646	625	746	1360	9830	4450	10700	16500	10700	3100	669	485
9	627	626	728	1600	8050	4060	9060	17900	10000	2820	677	527
10	693	646	745	1890	7440	3750	8870	19400	9650	2660	724	505
11	573	689	783	2650	6500	3630	9630	18700	9800	2440	686	447
12	661	648	757	2310	16700	3660	10600	17100	8150	2310	624	468
13	992	969	744	2160	15300	4150	11200	13800	7780	2090	712	363
14	1140	3300	799	1970	10100	5820	11800	13400	8320	1820	600	416
15	1250	2620	1100	1650	10600	9600	12400	14500	9120	1650	546	553
16	936	1590	3760	1600	10200	14600	12200	16900	9550	1570	614	456
17	794	1170	7760	1570	9160	10000	12800	18500	10200	1630	550	548
18	727	983	6560	1600	8160	7430	13600	19900	10200	1570	586	465
19	730	968	3140	1600	12300	6220	13400	21100	10400	1450	648	460
20	775	1410	2290	1370	10900	7360	13700	20900	8860	1470	736	439
21	740	1350	2280	1400	8520	18800	15200	19500	8060	1420	609	617
22	703	1110	2860	1340	7700	23500	15900	19600	8490	1280	617	454
23	732	1010	2080	1450	6980	17200	13600	22900	8110	1390	471	572
24	754	825	1840	2320	12300	17200	11300	20400	7450	1490	572	533
25	1040	937	1560	4550	36700	13400	10200	18000	6470	1520	500	534
26	753	1030	1580	9500	16800	10900	9960	17100	5990	1470	441	606
27	762	782	1570	7530	11900	9340	a 10400	16500	5920	1310	419	572
28	732	1220	1570	4330	9850	8520	10500	15000	5700	1270	458	b 649
29	736	748	2110	4190		8280	10600	14400	4620	1250	427	400
30	703	1020	2330	9340		23100	10700	13500	4430	1320	445	483
31	702		1880	5860		15800		14000		1120	495	
Mean	738	1023	1847	2806	10760	9422	14500	16950	8945	2112	660	490
Acr-Ft	45360	60850	113600	172500	597900	579300	861700	1042000	532300	129800	40560	29240

E — Estimated NR — No Record

a 23 hour day.
b 25 hour day.

Total Discharge in Acre-Feet 4205000

TABLE 130

DAILY CONTENT*
FOLSOM RESERVOIR

In thousands of acre-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	531.2	460.3	389.3	437.1	499.0	600.3	671.0	628.7	981.1	1013.3	898.1	704.8
2	528.7	456.4	388.8	438.5	504.1	587.6	696.8	638.0	975.3	1012.8	892.1	699.4
3	523.6	452.9	388.2	439.5	518.9	580.0	733.3	649.3	977.8	1011.7	887.8	694.9
4	521.3	449.2	387.6	440.3	528.8	580.4	721.8	663.9	977.7	1010.6	880.8	689.9
5	519.3	445.4	387.0	440.7	544.3	579.5	695.2	682.8	982.5	1009.7	874.7	684.4
6	517.4	441.9	386.4	441.1	553.6	578.2	665.3	703.6	987.1	1008.7	868.2	679.2
7	515.6	438.3	385.9	441.7	557.7	575.4	622.4	723.6	989.0	1007.4	862.3	674.4
8	513.8	434.8	385.3	441.8	565.5	573.3	589.8	741.3	994.1	1005.7	855.9	669.1
9	512.1	431.4	384.7	442.4	566.4	571.1	550.8	761.4	998.1	1003.6	849.3	663.7
10	510.1	428.0	384.6	441.9	565.9	568.4	512.3	785.3	1001.2	1001.3	848.3	658.0
11	508.2	424.5	384.4	443.6	563.6	565.5	496.0	808.5	1004.6	998.5	841.7	652.2
12	506.4	421.3	384.4	444.5	581.3	562.5	495.9	827.2	1004.9	995.0	835.4	646.6
13	505.2	418.5	384.4	444.7	596.1	560.1	497.6	838.4	1005.2	991.8	828.8	640.8
14	504.4	418.4	384.5	444.5	600.6	560.3	501.3	845.4	1007.3	987.6	822.1	635.2
15	503.5	416.3	385.2	443.1	606.2	568.1	505.3	852.3	1011.1	983.2	815.2	629.8
16	502.3	414.3	391.2	441.8	613.5	586.9	508.1	863.8	1014.0	978.8	809.2	624.4
17	500.5	411.5	404.7	441.0	617.8	595.4	513.3	879.3	1016.8	974.8	802.5	618.8
18	498.9	408.4	415.3	440.4	616.0	599.1	520.3	898.7	1016.1	970.4	796.1	613.3
19	497.3	404.7	419.2	439.8	610.6	600.5	532.3	919.2	1014.7	965.6	790.0	608.0
20	495.7	402.2	421.2	438.7	596.4	603.8	543.7	938.8	1010.9	960.8	783.9	602.6
21	493.7	399.6	423.2	437.3	583.8	629.0	558.6	956.0	1007.6	955.5	777.6	597.3
22	491.8	396.7	426.4	435.7	583.9	664.3	574.7	970.0	1005.8	950.1	771.2	591.9
23	489.6	395.1	427.8	434.3	586.7	678.6	586.4	988.5	1005.5	944.9	764.7	586.7
24	486.3	393.1	428.9	435.1	595.5	675.7	593.3	997.1	1005.8	939.9	758.4	581.5
25	483.5	392.4	429.5	440.6	637.3	665.3	597.5	995.8	1006.1	935.1	752.1	576.3
26	480.2	392.1	430.2	456.0	633.6	650.8	601.7	993.3	1007.2	930.3	745.4	571.2
27	476.7	391.0	430.8	467.1	617.5	633.8	605.9	993.4	1007.4	925.2	738.5	565.9
28	473.4	390.7	431.4	471.6	610.4	627.4	610.9	989.1	1010.6	919.9	731.8	561.2
29	470.4	389.7	433.1	474.6		629.0	616.2	987.3	1012.2	914.6	725.0	555.5
30	467.2	389.7	435.2	488.4		655.9	621.7	985.5	1013.3	909.4	718.2	550.1
31	463.7		436.2	495.2		659.9		983.8		903.9	711.5	
Monthly Change	-70.9	-74.0	+46.5	+59.0	+115.2	+49.5	-38.2	+362.1	+29.5	-109.4	-192.4	-161.4

Annual gain or loss in storage: 1957 Calendar Year +26,700; 1957-58 Water Year +15,500 acre-feet
Differences in storage from 1956-57 to 1957-58 Water Year: Maximums -900; Minimums -8,600 acre feet

* Storage at end of day.

TABLE 131

DAILY MEAN DISCHAROE
AMERICAN RIVER AT FAIR OAKS

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2590	2280	990	1300	2880	12600	19700	7760	14600	3750	3770	3720
2	2510	2390	1030	1300	2850	12600	20300	7780	14500	3750	3770	3160
3	2300	2380	1040	1300	3560	9310	23900	7860	12400	3730	3740	2680
4	1520	2350	1020	1300	3790	5460	27700	7910	10400	3710	3740	3090
5	1520	2350	1010	1300	3770	5330	29100	7570	8280	3710	3770	3090
6	1530	2320	1010	1300	3810	5350	31100	7650	8120	3710	3790	3090
7	1520	2350	1040	1300	4960	5260	33000	7470	8040	3710	3770	3110
8	1520	2340	1050	1310	6080	5150	26700	7520	7990	3730	3770	3140
9	1540	2350	966	1520	7710	5080	28300	7520	7990	3750	3760	3160
10	1550	2310	889	2190	7740	5020	27800	7500	8020	3750	1170	3170
11	1560	2310	896	2170	7820	5040	18600	7470	8040	3750	3790	3190
12	1560	2320	889	2170	8440	5220	10500	7550	8040	3750	3770	3190
13	1560	2340	896	2200	8190	5330	10100	8460	7910	3730	3830	3190
14	1560	3560	903	2200	7800	5300	10000	9470	7210	3750	3810	3190
15	1560	3740	903	2190	7850	5350	10100	10600	7260	3750	3650	3220
16	1560	2580	966	2190	6600	5390	10300	10600	8350	3730	3650	3220
17	1560	2580	1090	2170	6940	5390	10300	10700	8600	3730	3720	3080
18	1610	2590	1330	2160	9570	5370	10200	10600	9890	3710	3740	3120
19	1600	2590	1350	2160	15600	5390	7520	10500	10600	3710	3650	3170
20	1550	2590	1360	2160	18200	5370	7500	10600	10400	3750	3650	3160
21	1550	2610	1360	2160	15100	6370	7650	10600	9360	3800	3680	3140
22	1520	2350	1360	2120	6940	6650	7600	12500	8970	3840	3680	3160
23	1700	1660	1370	2090	5570	8160	7680	13500	7680	3690	3700	3150
24	2310	1660	1370	2160	7830	18600	7860	17400	7260	3710	3670	3170
25	2320	1460	1380	2160	14900	18300	7940	18900	6030	3730	3680	3170
26	2350	1210	1390	2160	18500	17500	7860	18700	5310	3730	3540	3170
27	2360	1230	1390	2170	18900	17300	7860	16600	5170	3710	3700	3170
28	2360	1300	1400	2290	13000	11100	7860	16900	3620	3710	3720	3170
29	2320	1250	1400	2880		7120	7860	15500	3670	3710	3760	3080
30	2300	974	1400	2930		9380	7810	14500	3670	3730	3760	3040
31	2310		1400	2910		13500		14400		3730	3760	
Mean	1845	2211	1156	1998	8746	8332	15020	11050	8246	3734	3644	3152
AcrFt.	113400	131600	71100	122800	485800	512300	894000	679500	490700	229600	224100	187600

E — Estimated NR — No Record

Total Discharge in Acre-Feet 4142000

TABLE 132

DAILY MEAN DISCHARGE
AMERICAN RIVER AT SACRAMENTO

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2570	2210	980	1260	2920	13300	20300	7710	16400	3690	3710	3660
2	2490	2320	980	1260	2920	12800	21100	7760	16100	3620	3710	3150
3	2460	2340	980	1240	2830	11000	24200	7870	13800	3590	3690	2580
4	1430	2300	1060	1220	3780	6390	27500	7940	11900	3570	3670	2960
5	1370	2300	1000	1240	3470	6020	29900	7620	9300	3550	3710	2960
6	1370	2270	970	1240	3810	5730	31600	7620	8750	3540	3690	2960
7	1380	2280	990	1240	3920	6050	35700	7460	8490	3550	3710	2980
8	1400	2280	1000	1240	5360	5810	27600	7370	8390	3540	3690	3020
9	1410	2280	960	1250	7380	5750	29200	7520	8360	3550	3710	3010
10	1470	2280	810	2050	7800	5510	28800	7460	8390	3540	1700	3010
11	1460	2270	800	2050	7710	5600	19900	7360	8340	3540	3040	3040
12	1460	2270	820	2070	7910	5800	11500	7520	8490	3540	3640	3040
13	1480	2370	800	2080	8280	5920	10000	8220	8390	3520	3710	3040
14	1470	2930	800	2100	7380	5900	9700	9230	7700	3520	3750	3040
15	1460	4100	830	2100	7920	5900	9750	10300	7630	3500	3590	3060
16	1470	2510	840	2080	6720	6030	9920	10400	8930	3520	3540	3040
17	1460	2490	950	2070	6760	5980	9930	10500	9060	3500	3640	2890
18	1410	2510	1200	2070	9100	6150	10200	10400	10400	3480	3670	3010
19	1520	2520	1220	2050	15200	6100	7630	10200	11300	3540	3600	3040
20	1570	2510	1240	2050	18800	6030	7420	10300	11200	3590	3590	3010
21	1440	2560	1230	2050	15900	6840	7700	10400	10000	3670	3620	2990
22	1380	2480	1230	2050	6480	7060	7640	12300	9690	3730	3620	2990
23	1610	1640	1230	2030	5550	7320	7640	12700	8130	3680	3640	3010
24	2270	1610	1240	2040	7390	19000	7820	15200	7680	3730	3600	3010
25	2300	1490	1240	2080	14600	19400	7800	18100	6450	3710	3600	3010
26	2340	1140	1240	2180	18200	18500	7560	18300	5580	3730	3470	3010
27	2340	1070	1240	2190	21000	16700	7680	16300	5490	3710	3640	3010
28	2340	1040	1230	2220	14900	13100	7690	16300	4000	3710	3660	2990
29	2300	1010	1250	2620		8220	7740	15700	3850	3690	3670	2900
30	2270	976	1240	3350		8500	7550	14000	3820	3690	3670	2930
31	2270		1260	3070		12200		13700		3690	3640	
Mean	1773	2145	1060	1930	8714	8858	15290	10770	8867	3604	3567	3012
Ac-Ft.	109000	127600	65200	118700	483900	544700	909800	662000	527600	221600	219400	179200

E — Estimated NR — No Record

Total Discharge in Acre-Feet 4169000

TABLE 133

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT SACRAMENTO

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18100	17100	16100	31400	61600	79200	77700	49900	51700	16200	13700	15800
2	17300	17000	15700	31000	61700	76800	82700	48100	49400	15800	13700	14300
3	16600	16800	15500	30700	64000	74200	86800	46600	46900	15700	14100	14800
4	15500	16700	15100	32500	66100	68900	87300	46000	45700	16300	14300	15600
5	14800	16700	14900	32600	65400	66600	87600	45500	43500	16500	14200	16000
6	14500	16400	14900	30800	65800	65400	87500	46000	40900	15700	14100	16200
7	15300	15700	14900	28400	67300	63300	88800	47100	39000	15600	14100	16700
8	15700	15700	15100	26900	69000	61600	86200	47500	36900	15200	13800	16900
9	15300	15800	14700	26000	69800	59700	85600	47300	35500	14900	13900	17600
10	14700	15900	14200	26700	70100	57500	85100	47100	35000	14600	12200	16600
11	15300	15400	13600	28200	69700	54300	81300	48100	34900	14100	13300	17400
12	17700	15300	14000	32800	70900	50700	73400	49000	35000	14100	13900	17800
13	19100	16000	14100	35400	72600	47400	70000	51100	35000	14200	13800	18000
14	19700	16800	14100	36400	72200	44900	68900	53000	36700	14200	13800	18100
15	24400	24400	14700	37200	71500	45100	68000	53600	38000	13500	13400	18000
16	27000	29600	14500	37200	70600	47400	67400	53300	38600	13900	14300	17300
17	24500	29300	22800	36500	70500	47300	67100	53000	38400	13700	12800	16600
18	21800	25900	31800	35300	71800	45400	66600	53600	38700	13700	13900	16000
19	20100	22400	36600	33300	77300	42600	64700	54800	38900	14000	14400	15300
20	19100	20300	38000	31300	80700	40100	63100	55900	38100	13900	14600	15000
21	17900	19600	36200	29300	80700	41100	62500	56600	36000	14100	14700	14600
22	17400	19500	34200	27300	76400	52100	62300	58400	33500	14200	14700	14600
23	17100	18900	35500	26100	73200	63300	62100	59200	30800	14000	14400	15300
24	17700	18900	36700	26300	72400	74600	62300	61600	28600	13500	14600	14800
25	18000	18700	35100	27700	78900	77400	61800	64900	26200	13400	14600	14900
26	19000	18100	32200	35600	85500	76400	60500	65900	23700	13700	14700	15600
27	19100	18100	29100	46100	87100	75200	59000	64200	21900	13600	15100	14900
28	18400	17900	27000	52300	83200	71500	57200	62900	19900	13500	15000	14700
29	18000	17500	26200	55200		66400	55000	60600	18000	13600	15000	14400
30	18000	16700	27800	58500		65700	52400	57100	16900	13300	15200	14300
31	17500		31000	61600		70700		54300		13400	15800	
Mean	18210	18770	23110	35050	72360	60410	71360	53620	35080	14390	14200	15940
Ac-Ft	1120000	1117000	1421000	2155000	4019000	3715000	4246000	3297000	2087000	884800	872900	948300

E — Estimated NR — No Record

Total Discharge in Acre-Feet 25880000

TABLE 134

DAILY MEAN DISCHARGE
BEAR CREEK NEAR RUMSEY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.3	5.3	3.1	15	104	195	1140	73	27	8.4	3.3	2.1
2	2.2	4.7	3.3	59	942	164	2030	72	30	8.1	3.3	2.0
3	2.1	4.2	3.3	38	998	147	1190	67	29	8.1	3.2	2.0
4	1.9	4.0	3.5	25	988	128	690	65	28	7.7	3.2	2.4
5	1.9	4.0	7.0	22	628	115	508	62	26	7.7	3.2	3.0
6	2.1	4.0	7.0	20	333	106	637	60	25	7.7	3.2	2.6
7	2.2	4.0	5.0	19	343	95	599	58	24	7.4	3.3	2.1
8	2.1	4.2	4.2	19	461	90	451	55	24	7.7	3.3	2.1
9	5.6	4.2	3.7	21	679	83	348	53	30	7.7	3.5	2.3
10	222	4.4	3.7	139	511	81	292	49	30	6.8	2.8	2.1
11	57	4.4	3.5	74	277	78	249	54	29	6.5	2.8	2.3
12	18	4.4	3.5	60	1290	75	203	59	26	6.2	2.6	2.3
13	17	4.4	3.3	95	335	75	185	52	24	6.0	2.3	2.3
14	44	5.6	3.1	48	285	91	170	47	22	6.2	2.4	2.3
15	17	6.1	7.7	41	368	148	157	44	20	5.7	2.3	2.3
16	9.6	5.8	50	39	474	102	147	42	19	5.7	2.4	2.3
17	6.7	5.3	79	36	263	78	138	39	17	6.0	2.8	2.3
18	5.8	5.0	259	34	1220	68	128	37	16	5.4	3.2	2.3
19	4.7	5.0	51	31	1820	64	125	35	16	5.2	2.8	2.3
20	4.4	5.0	31	31	572	327	118	33	16	4.9	2.6	2.0
21	4.2	4.7	26	30	362	1800	113	33	15	4.9	2.4	3.0
22	4.2	4.0	33	30	297	724	107	40	13	4.4	2.1	2.8
23	5.6	3.7	22	31	282	321	103	56	12	4.2	2.1	2.6
24	7.7	3.7	20	114	2660	268	99	41	11	4.0	2.1	2.4
25	12	4.0	17	282	1200	216	95	37	11	4.0	2.1	2.1
26	9.2	4.0	16	1670	441	183	91	32	11	4.0	2.3	2.1
27	7.3	3.7	15	224	303	185	88	30	11	3.8	2.1	2.0
28	6.7	3.5	15	130	240	185	87	30	11	3.5	2.1	2.0
29	5.8	3.5	20	339		554	82	28	10	4.0	2.1	2.1
30	5.6	3.3	18	248		1210	77	28	9.4	3.8	2.1	2.1
31	5.6		15	127		396		28		3.8	2.0	
Mean	16.2	4.4	24.3	132	667	269	348	46.4	19.7	5.8	2.6	2.3
Ac-Ft	999	262	1491	8114	37040	16570	20720	2854	1175	356	163	136

E — Estimated NR — No Record

Total Discharge in Acre-Feet 89880

TABLE 135

DAILY MEAN DISCHARGE
CACHE CREEK NEAR CAPAY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	48	53	49	279	3630	7620	9510	780	262	314	428	265
2	38	52	48	438	4550	7060	14500	684	308	323	385	275
3	34	51	47	530	8200	6500	13400	600	335	357	350	278
4	30	49	47	394	8980	6140	8980	545	326	399	347	252
5	27	47	56	332	8410	5880	8230	500	278	420	385	230
6	26	46	53	297	6200	5070	8280	476	240	413	409	225
7	25	45	53	267	6120	5490	7980	452	250	396	385	222
8	24	45	57	247	6610	5310	7330	440	332	399	338	220
9	28	43	52	235	6750	5120	6790	424	392	402	329	215
10	1170	43	49	535	8950	4880	6340	376	371	388	344	197
11	776	42	48	940	6340	4690	6040	399	323	402	364	175
12	270	42	47	640	12700	4510	5810	420	320	413	378	161
13	210	43	46	1080	8780	4360	5600	371	323	396	382	151
14	555	46	46	784	6700	4260	5390	344	285	388	374	142
15	282	164	59	610	6740	4280	5210	323	311	396	364	137
16	179	131	133	520	7240	4030	5010	308	329	402	326	123
17	137	102	756	444	6750	3870	4830	357	357	392	302	118
18	111	89	2130	390	9130	3750	4660	402	406	360	293	114
19	92	80	1150	340	17500	3550	4520	399	416	320	305	110
20	78	77	700	309	10500	4110	4390	385	406	285	317	107
21	73	71	610	285	8090	10900	4280	382	385	280	296	106
22	67	67	1030	261	6970	9350	4150	410	360	305	265	104
23	71	64	688	247	6360	7160	4040	382	364	344	255	103
24	111	61	525	423	17600	6490	3930	293	374	410	272	100
25	123	59	422	1910	21000	5940	3820	265	374	416	299	99
26	97	57	350	7170	11300	5400	3710	290	374	368	314	97
27	83	53	312	5280	9220	5180	3600	278	388	347	305	90
28	75	52	282	3820	8280	4960	3500	272	382	360	288	87
29	68	51	362	4180		4940	3430	262	344	382	255	83
30	64	49	354	6120		9230	1410	258	329	406	230	82
31	59		309	4190		6510		252		428	248	
Mean	162	62.5	351	1403	8914	5695	5956	398	341	375	327	156
Ac-Ft	9980	3720	21560	86280	495100	350200	354400	24450	20320	23030	20100	9260

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1418000

TABLE 136

DAILY MEAN DISCHARGE
CACHE CREEK AT YOLO

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	162	3640	7430	11100	700	0	0	0	0
2	0	0	0	198	3730	6940	14100	524	0	0	0	0
3	0	0	0	410	8740	6600	16900	440	0	0	0	0
4	0	0	0	292	9240	6180	10400	370	0	0	0	0
5	0	0	0	230	9860	5880	8750	307	0	0	0	0
6	0	0	0	185	6920	5680	9500	264	0	0	0	0
7	0	0	0	155	6640	5400	8590	234	0	0	0	0
8	0	0	0	132	6820	5230	8490	126	0	0	0	0
9	0	0	0	118	6990	5000	7160	94	0	0	0	0
10	57	0	0	175	9350	4820	6760	71	0	0	0	0
11	669	0	0	682	6550	4660	6420	50	0	0	0	0
12	135	0	0	558	11000	4500	6120	36	0	0	0	0
13	50	0	0	695	9910	4380	5840	57	0	0	0	0
14	230	0	0	695	6940	4230	5550	53	0	0	0	0
15	145	0	0	506	6970	4320	5320	30	0	0	0	0
16	'56	0	0	404	7770	4100	5130	6.1	0	0	0	0
17	28	0	246	338	7420	3930	4930	0	0	0	0	0
18	5.4	0	1340	285	7550	3790	4670	0	0	0	0	0
19	1.7	0	1170	238	19500	3670	4530	0	0	0	0	0
20	11	0	550	208	12800	3900	4440	0	0	0	0	0
21	0	0	442	178	8630	11500	4320	0	0	0	0	0
22	0	0	664	150	7170	11400	4220	0	0	0	0	0
23	0	0	582	135	6500	7150	4070	0	0	0	0	0
24	0	0	570	166	9000	6510	3920	0	0	0	0	0
25	0	0	305	1270	29300	5700	3750	0	0	0	0	0
26	0	0	238	6040	12800	5220	3680	0	0	0	0	0
27	0	0	192	6070	9440	4990	3600	0	0	0	0	0
28	0	0	155	3790	8150	4850	3520	0	0	0	0	0
29	0	0	170	3540		4460	3410	0	0	0	0	0
30	0	0	235	6350		9890	1400	0	0	0	0	0
31	0		190	4320		6930		0		0	0	
Mean	44.8	0	227	1248	9262	5782	6353	108	0	0	0	0
AcrFt.	2750	0	13980	76710	514400	355500	378000	6670	0	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1348000

TABLE 137

DAILY MEAN DISCHARGE
YOLO BYPASS NEAR WOODLAND

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	12	21	392	27700	115000	38300	1630	1530	112	.85	103
2	24	8.8	17	515	27400	92200	58700	1470 E	1480	126	72	108
3	25	5.2	14	575	36100	72200	98400	1310 E	1420	110	68	105.
4	15	5.8	13	820	47500	57800	102000	1140 E	1360	100	76	114
5	13	5.8	13	870	52200	45000	96000 E	980 E	1330	114	76	117
6	11	5.8	12	768	60500	35700	90000 E	810 E	1300	115	70	144
7	9.8	5.2	12	660	68000	26600	83000 E	650 E	1280	119	66	175
8	8.3	5.8	12	575	70800	20200	76000 E	480 E	1120	119	70	197
9	7.6	5.8	11	510	73600	14700	70000 E	318	795	108	70	229
10	7.0	6.4	9.7	490	74000	10500	63500	360 E	715	110	64	213
11	35	7.0	9.7	560	71500	7900	57800	400 E	745	102	65	163
12	155	7.9	8.8	1020	72600	6850	46200	440 E	855	102	66	126
13	170	5.8	9.7	1280	92500	6340	37500	480	812	103	68	123
14	146	7.9	10 E	1400	94200	5880	31000	875	912	112	71	115
15	268	7.9	30 E	1470	91800	5540	27100	940 E	1190	142	72	103
16	856	17	40 E	1390	92500	5200	23600	1000	1180	132	88	79
17	1250	21	50 E	1290 E	96000	4770	21000	972	1010	135	100	62
18	1080	20	340 E	1190 E	91100	4370	18100	990	805	119	110	48
19	570	19	1030 E	1090 E	102000	4080	14600	1050	610	103	110	40
20	233	29	882	970 E	120000	4020	11100	1140	430	103	112	34
21	112	43	765	850 E	143000	6060	8380	1170	275	100	110	30
22	56	49	710	750 E	142000	13600	7210	1200 E	177	98 E	103	31
23	36	55	845	650 E	123000	23300	6940	1250 E	76	96 E	98	40
24	31	61	882	552	107000	43000	7180	1320 E	93	94 E	100	52
25	26	61	765	622	137000	50000	6300	1400 E	105	92 E	96	56
26	23	66	648	1380	172000	43800	5090	1500	100	91 E	87	56
27	26	58	538	7210	171000	34500	4180	1600	107	89 E	82	56
28	27	46	450	6760	144000	29800	3610	1610	102	87 E	87	54
29	20	35	408	7480		22500	3420	1600	95	85	93	48
30	17	28	372	14700		22400	3050	1600	108	96	96	49
31	13		392	27800		31400		1570		94	100	
Mean	171	23.7	301	2793	92890	27910	37310	1073	737	107	84.9	95.7
AcrFt.	10520	1410	18490	171700	5159000	1716000	2220000	65960	43870	6560	5220	5690

E — Estimated NR — No Record

Total Discharge in Acre-Feet 9424000

TABLE 138

DAILY MEAN DISCHARGE
PUTAH CREEK NEAR WINTERS

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	63	42	51	33	30	198	19	21	30	29	40
2	12	61	42	51	58	24	462	18	21	30	29	41
3	12	57	45	51	90	21	253	17	21	30	28	41
4	20	56	47	51	128	21	155	17	21	33	28	41
5	52	48	46	49	92	16	129	17	21	34	28	41
6	52	41	45	48	18	15	131	17	21	34	28	42
7	79	41	45	48	66	13	99	17	24	33	29	43
8	109	43	45	48	25	12	80	17	23	33	29	42
9	110	43	45	49	17	11	69	16	22	38	29	40
10	114	43	45	49	18	15	61	16	26	46	29	40
11	126	43	47	48	22	9.6	54	16	29	54	28	40
12	142	43	47	48	88	9.0	48	16	27	54	28	40
13	140	43	45	48	49	9.4	44	18	25	54	28	40
14	144	43	45	48	40	9.2	41	20	25	54	28	40
15	120	28	47	48	38	9.2	38	19	25	54	28	40
16	94	17	47	48	38	9.2	35	19	25	54	34	40
17	94	17	46	49	33	9.2	32	19	25	54	44	39
18	94	18	54	49	301	13	32	18	25	54	42	39
19	94	34	49	51	386	23	30	18	25	54	40	3E
20	94	53	51	48	107	39	29	18	27	55	40	22
21	94	53	51	46	55	121	26	18	31	54	40	22
22	87	53	51	45	36	76	26	20	31	55	40	23
23	55	53	51	48	26	59	24	23	30	48	40	23
24	24	53	51	50	250	51	24	24	30	41	40	22
25	33	48	50	51	176	47	21	24	30	41	40	22
26	45	43	50	109	79	40	23	23	30	34	41	22
27	45	42	50	38	54	71	22	22	30	30	41	22
28	45	42	50	33	40	68	21	22	30	30	41	22
29	48	42	50	55		64	21	21	30	29	41	21
30	64	42	51	47		100	20	21	29	29	41	21
31	64		51	51		66		21		29	41	
Mean	74.8	43.5	47.8	50.1	84.4	34.9	74.9	19.1	26.0	42.0	34.6	33.5
Acr-Ft.	4600	2590	2940	3080	4690	2140	4460	1170	1550	2580	2130	2000

E — Estimated NR — No Record

Total Discharge in Acre-Feet 33930

TABLE 139

DAILY MEAN DISCHARGE
PLEASANTS CREEK NEAR WINTERS

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0	4.8	33	406 E	9.2	3.0	0.7	0.2	0.1
2		0	0	0.3	95	28	812 E	8.1	3.2	0.8	0.1	0.1
3		0	0	0.5	50	25	344 E	7.8	3.2	0.6	0.1	0.1
4		0	0	0.2	80	22	180 E	8.3	2.5	0.6	0.1	0
5		0	0	0.1	88	20	177	7.5	2.1	0.7	0.1	0
6		0	0	0.1	23	19	143	7.0	2.1	0.6	0.1	0
7		0	0	0.1	177	17	99	6.8	2.2	0.6	0.1	0
8		0	0	0.1	36	17	76	6.8	2.6	0.6	0.1	0.1
9	0 E	0	0	0.1	41	16	68	6.3	2.7	0.6	0.1	0
10	0	0	0	0.8	74	16	63	6.0	2.6	0.5	0.1	0.1
11	0	0	0	0.4	29	15	54	6.5	2.6	0.4	0.1	0.1
12	0	0	0	0.3	246	18	48	6.3	2.9	0.4	0.1	0.1
13	0	0	0	0.3	52	15	43	6.0	2.3	0.4	0.1	0.1
14	0	0	0	0.4	31	18	38	5.8	2.3	0.5	0.1	0
15	0	0	0	0.3	28	16	33	5.4	2.0	0.5	0.1	0
16	0	0	0	0.2	29	18	30	5.2	1.9	0.5	0.1	0
17	0	0	0	0.2	20	13	27	4.8	2.0	0.6	0.1	0
18	0	0	20	0.2	659 E	12	25	4.6	1.9	0.6	0.1	0
19	0	0	1.0	0.2	539	11	23	4.4	1.9	0.5	0.1	0
20	0	0	0.2	0.1	132	114	21	4.2	1.9	0.4	0	0
21	0	0	0.4	0.1	72	276	19	4.0	1.8	0.4	0.1	0
22	0	0	1.1	0.1	48	114	18	4.8	1.5	0.3	0.1	0
23	0	0	0.4	0.2	33	108	16	4.8	1.5	0.3	0	0
24	0	0	0.1	24	597	71	16	4.2	1.5	0.2	0.1	0
25	0	0	0.1	101	192	61	14	3.8	1.3	0.3	0.1	0
26	0	0	0	159	78	49	14	3.7	1.0	0.2	0.1	0
27	0	0	0	13	55	145	13	3.5	1.0	0.2	0	0
28	0	0	0	4.2	42	84	13	3.5	1.1	0.2	0.1	0
29	0	0	0	89		123	11	3.5	0.9	0.3	0.1	0
30	0	0	0	34		167	11	3.3	0.8	0.3E	0.1	0
31	0		0	8.3		91		3.0		0.2E	0	
Mean		0	0.8	14.1	127	56.5	95.2	5.5	2.0	0.5	0.1	0.0
Acr-Ft.		0	46	868	7043	3475	5663	335	120	28	6	2

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 140

DAILY MEAN DISCHARGE
PUTAH CREEK BELOW WINTERS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		29	19	30	26	91	958	29	14	11	2.8	13
2		34	19	34	66	72	1920	26	12	10	2.0	16
3		31	20	31	161	55	802	25	11	8.6	2.4	14
4		31	23	30	115	44	401	21	10	5.9	2.4	13
5		31	30	29	129	41	296	20	11	5.3	2.4	13
6		25	25	27	74	31	419	18	8.6	5.9	1.2	14
7	0 E	21	23	27	336	30	248	17	4.7	6.5	0	14
8	0	21	22	26	222	26	204	15	5.9	6.5	0	13
9	0	20	21	26	76	22	175	16	7.8	5.3	0	14
10	0	20	21	31	112	21	148	15	7.8	4.2	0	13
11	0	21	21	29	93	20	129	17	9.3	7.8	1.1	12
12	7.6	21	23	29	345	19	117	17	12	13	1.7	13
13	93	21	22	27	211	20	106	18	13	14	2.0	13
14	98	22	21	26	101	20	93	20	13	14	2.4	13
15	91	21	33	29	76	23	83	25	13	15	2.8	14
16	57	13	33	30	69	27	78	23	12	13	3.2	14
17	53	1.7	33	30	53	23	67	19	10	12	5.9	14
18	57	0	49	27	759	22	65	21	11	13	12	14
19	55	0	39	29	2440	25	61	19	11	12	13	13
20	53	1.4	34	29	386	96	57	19	9.3	10	13	13
21	53	21	33	29	168	690	57	20	8.6	18	11	8.6
22	53	23	33	30	114	387	44	21	14	16	9.3	3.7
23	48	23	33	31	86	239	44	25	16	16	9.3	1.5
24	29	23	31	46	1700	208	39	23	14	16	9.3	0
25	7.2	25	31	81	724	157	36	21	13	9.3	11	0
26	7.8	20	30	616	208	135	34	19	7.8	7.2	13	0
27	13	18	30	91	157	170	36	17	6.5	5.9	13	0
28	13	18	30	42	120	297	36	17	5.9	2.2	12	0
29	14	18	30	52		178	34	17	8.6	0	13	0
30	17	19	29	120		348	31	16	12	2.6	13	0
31	26		29	42		215		16		3.2	13	
Mean		19.8	28.1	56.6	326	121	227	19.7	10.4	9.3	6.4	9.5
Acr-Ft.		1176	1726	3483	18100	7442	13520	1214	620	574	391	563

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 141

DAILY MEAN DISCHARGE
PUTAH CREEK ABOVE DAVIS

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		22	12	28	31	128	1080	31	21	11	2.3	6.6
2		24	12	34	46	101	2090	29	21	10	2.6	9.4
3		24	14	28	202	80	985	27	22	8.8	2.6	9.4E
4		21	17	26	111	64	445	25	19	6.1	2.3	9.4E
5		21	26	26	140	56	314	23	17	5.2	1.3	9.4E
6		16	20	26	66	44	461	22	13	6.1	0.3	9.4E
7		12	17	26	332	37	261	21	11	6.6	0	9.4E
8	0 E	11	17	26	273	30	214	20	11	5.6	0	9.4E
9	0	11	19	25	71	25	180	18	11	4.7	0	10 E
10	0	11	19	30	106	23	152	18	11	2.9	0	9.4E
11	0	11	19	26	88	23	128	19	11	6.4	0	9.4E
12	0	14	22	26	353	23	114	19	14	15	0	10 E
13	6.0E	14	22	25	245	23	103	18	16	18	0	9.4E
14	77 E	15	20	25	101	20	90	19	12	18	0	9.4E
15	78	13	34	26	68	23	77	21	11	18	0	9.4E
16	46	9.0	35	27	56	21	69	17	11	19	0	10 E
17	43	1.5	26	27	41	17	66	16	9.4	19	0	10
18	43	0	43	26	762	11	61	17	9.4	17	0.1	10
19	45	0	37	26	2730	8.8	58	15	8.8	17	5.6	10
20	46	0	27	26	472	64	54	13	8.8	18	6.1	10
21	47	1.2	27	26	177	776	54	15	8.2	17	5.2	5.6
22	45	16	28	27	101	425	48	20	13	16	3.6	1.7
23	46	20	28	27	66	237	46	23	14	17	3.9	0.7
24	30	21	27	40	1690	207	41	23	13	18	3.9	0.3
25	5.6	22	27	63	1120	154	39	24	13	13	6.1	0
26	0.3	18	27	542	298	131	37	22	12	11	8.2	0
27	5.2	14	27	97	227	151	37	19	11	8.2	8.2	0
28	7.4	13	27	43	186	324	37	21	7.7	4.7	8.2	0
29	8.4	12	27	38		183	35	19	7.7	3.9	7.7	0
30	9.5	12	27	111		359	33	20	10	3.6	8.2	0
31	17		27	48		223		21		2.6	7.7	
Mean		13.3	24.4	51.5	363	129	247	20.5	12.6	11.2	3.0	6.6
Acr-Ft.		793	1502	3168	20150	7918	14700	1260	750	689	187	392

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 142

DAILY MEAN DISCHARGE
PUTAH CREEK NEAR DAVIS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	10	8.8	26	24	107	965	28	11	4.7	0	1.6
2	0	12	8.2	26	28	81	1950	25	12	3.7	0	2.1
3	0	16	8.2	26	245	64	950	23	9.9	3.4	0	2.8
4	0	16	8.2	25	122	53	448	22	6.4	0.6	0	2.8
5	0	16	12	25	165	47	298	19	6.4	0	0	1.1
6	0	16	12	24	73	39	444	16	5.0	0	0	0.9
7	0	12	12	24	321	31	254	14	3.4	1.1	0	1.1
8	0	9.4	12	24	320	26	211	12	5.7	1.1	0	1.1
9	0	9.4	12	22	67	20	178	11	8.5	0.3	0	1.1
10	0	7.6	12	22	82	18	152	9.2	9.9	0	0	1.4
11	0	7.0	11	21	71	17	122	11	5.0	0	0	1.6
12	0	7.0	11	21	306	16	107	14	9.9	1.5	0	1.6
13	0	7.0	11	20	246	18	96	9.9	12	8.5	0	1.4
14	75	7.0	10	20	90	14	87	9.9	12	9.9	0	1.6
15	95	7.0	15	20	58	16	76	19	11	9.9	0	1.6
16	55	6.5	25	19	53	17	66	11	7.1	17	0	1.6
17	44	0.8	25	19	44	9.9	61	9.9	5.0	20	0	1.4
18	46	0	26	18	515	5.7	56	8.5	4.4	20	0	1.3
19	51	0	35	18	2770	3.7	56	9.2	4.4	19	0	1.3
20	53	0	34	18	540	35	52	4.4	4.0	19	0	1.3
21	55	0	34	17	189	712	52	4.4	4.0	18	0	0.6
22	55	0	32	17	111	422	46	9.2	6.4	16	0	0
23	49	0.6	31	17	73	211	40	18	11	11	0	0
24	36	8.2	29	22	1510	196	39	16	13	9.2	0	0
25	3.8	9.4	29	64	1140	132	35	14	12	3.7	0	0
26	0	9.4	29	703	273	107	32	13	11	0.4	0	0
27	0	10	28	127	181	118	34	9.9	4.7	0	0	0
28	0	10	28	42	172	291	32	12	2.8	0	0	0
29	0	9.4	28	27		163	31	8.5	4.7	0	0	0
30	0	8.8	27	125		304	30	11	4.4	0	0.5	0
31	2.1		27	49		205		9.2		0	1.6	
Mean	20.0	7.8	20.3	53.2	350	113	233	13.3	7.6	6.4	0.1	1.0
Ac-Ft.	1230	461	1250	3270	19420	6940	13880	816	450	393	4	62

E — Estimated NR — No Record

Total Discharge in Acre-Feet 48180

TABLE 143

DAILY MEAN DISCHARGE
SOUTH FORK PUTAH CREEK NEAR DAVIS

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		5.2	3.5	16	25	133	751	27	20	4.3	0.1	9.2
2		12	3.4	24	27	107	1870	23	22	2.8	2.6	10
3		16	4.3	19	188	77	658	21	16	0.5	5.2	14
4		12	6.3	17	106	58	348	23	8.2	0	1.4	15
5		13	16	16	145	51	264	19	9.2	0.6	0	6.0
6		11	12	15	69	42	357	17	6.3	2.4	1.9	11
7		3.8	8.6	15	209	35	216	16	1.8	11	2.6	5.7
8	0 E	2.2	8.4	16	228	31	216	15	12	7.9	0.8	6.8
9	0	1.9	8.8	17	66	27	193	15	14	4.6	2.3	10
10	0	1.3	8.8	22	77	25	168	11	18	0	3.9	15
11	0	0.9	9.6	20	68	24	147	18	6.2	0	5.1	8.6
12	0	4.1	9.8	18	194	24	128	23	6.7	4.7	2.6	1.9
13	0	4.3	12	17	191	25	114	13	14	15	2.4	6.5
14	36	7.9	9.8	16	87	22	100	13	18	10	4.6	11
15	63	5.8	19	16	57	22	88	24	15	10	5.7	8.1
16	37	2.8	26	18	50	23	77	20	10	15	1.2	6.0
17	28	0	19	18	42	19	68	20	4.2	12	1.9	4.6
18	28	0	23	18	407	13	60	20	2.9	7.2	5.5	8.8
19	30	0	28	17	2850	8.6	56	20	3.5	12	0.5	8.4
20	31	0	18	17	357	27	51	11	5.4	9.2	6.6	7.5
21	32	0	18	18	172	523	50	8.4	7.8	7.8	9.0	5.4
22	31	0	17	18	114	349	42	12	12	4.6	6.0	7.2
23	27	0	16	20	85	208	35	25	12	5.7	2.8	4.8
24	22	4.1	15	27	1500	186	33	21	18	9.8	0.1	3.3
25	1.4	14	15	51	1090	135	31	18	18	11	6.1	5.7
26	0	14	16	421	270	111	29	18	15	4.2	7.5	2.7
27	0	6.2	15	116	193	107	30	17	6.5	1.7	6.3	2.5
28	0	4.6	15	36	186	232	30	16	6.5	2.6	6.7	6.2
29	0	3.5	16	27		149	28	11	13	0.2	4.9	6.3
30	0	3.0	15	109		246	27	18	7.5	0.6	9.8	5.1
31	0		15	51		177		18		0	11	
Mean		5.1	13.8	40.1	323	104	209	17.8	11.0	5.7	4.1	7.4
Ac-Ft		305	848	2471	17960	6380	12430	1094	654	352	252	443

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 144

DAILY MEAN INFLOW
MILLERTON LAKE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1060	866	1110	1300	1840	2340	7250	6190	9220	5470	2630	1880
2	1110	686	1200	1330	1540	2230	5410	6760	7780	5310	2450	1820
3	1120	825	1270	1350	4000	2080	13500	7580	7810	5290	2900	1720
4	1120	987	1170	1270	3560	1990	6700	8240	7060	5270	2220	1790
5	1100	784	1240	1110	3200	1980	5230	8970	8560	5600	2320	1720
6	797	840	1110	1130	2160	2160	6040	9730	7810	5500	2400	1590
7	1240	965	1170	1120	2440	2000	5280	9710	8430	7320	2350	1370
8	1160	697	1120	836	1970	2010	4580	9640	7190	6160	2470	1650
9	1040	904	848	1070	1900	1720	4250	9970	6460	6530	2350	2090
10	984	809	975	1100	1860	1690	4510	10300	6880	5810	2100	1930
11	1070	858	1180	932	1710	1910	4540	11900	7150	4800	2300	1760
12	1130	887	1170	510	2590	1900	4710	8930	6230	5480	1860	1710
13	1060	851	877	1020	1990	1830	4850	7500	5660	4630	2160	1700
14	1220	839	663	1160	1780	2020	5120	7300	5830	4400	2210	1390
15	1060	951	821	1170	1760	4490	5420	8100	7070	4180	2150	1560
16	865	920	2300	1030	996	6260	5980	9390	8200	3900	2530	1770
17	973	955	3190	1020	1660	4590	6250	10600	10700	3540	2560	1590
18	910	1230	1950	777	1630	3440	7140	11500	12100	3500	2530	1570
19	950	938	1450	702	2570	3220	6900	12400	12200	3250	1980	1600
20	911	1150	1210	1160	2312	3880	7540	12000	11100	3000	2080	1560
21	1000	1140	1080	1240	1783	6620	8260	11700	9710	3120	2060	1660
22	1160	1350	1150	1220	1800	9860	8800	11600	9650	3090	1990	1640
23	817	1200	1190	1230	1580	5040	7510	11300	10200	3050	1940	1630
24	658	1180	1410	1500	1890	5040	6230	11000	10300	3200	1810	1720
25	740	1140	1470	2000	7080	4300	5810	10300	8580	3100	2000	1760
26	488	1170	1470	2130	3430	3640	5670	9960	7810	2820	1830	1770
27	257	1150	1610	2260	2790	3840	a 5790	9620	7250	2840	1900	1650
28	740	1250	1560	1960	2640	3200	5810	9500	6990	2950	1830	b 1570
29	677	1170	1430	1740		3030	5990	9300	6320	2980	1840	1390
30	694	1310	1430	1990		3300	5970	9120	5860	3000	1940	1630
31	1000		1490	1830		4560		9090		2640	1800	
Mean	939	1000	1332	1296	2373	3424	6234	9652	8202	4249	2177	1674
AcrFt	57730	59470	81920	79670	131800	210500	370500	593500	488100	261300	133900	99730

E — Estimated NR — No Record

Total Discharge in Acre-Feet 2568000

a 23 hour day.
b 25 hour day.

TABLE 145

DAILY CONTENT*
MILLERTON LAKE

In thousands of acre-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	158.4	181.1	233.0	309.8	379.3	418.5	484.0	389.3	481.2	520.4	430.7	231.6
2	157.9	181.9	235.2	312.4	381.8	422.4	486.0	385.0	478.3	519.9	424.7	226.6
3	157.6	183.0	237.6	315.0	388.6	425.9	503.5	382.7	476.5	519.3	419.6	221.7
4	157.6	184.5	239.8	317.5	394.1	429.1	505.4	381.4	474.1	518.6	413.0	217.3
5	157.9	185.6	242.1	319.6	398.6	432.2	502.2	381.7	475.6	518.5	406.7	213.6
6	157.6	187.0	244.1	321.8	400.4	435.2	499.8	384.1	475.5	518.3	400.5	210.4
7	158.3	188.6	246.3	324.0	401.8	437.6	495.8	386.9	475.9	521.6	394.2	206.8
8	159.3	189.6	248.4	325.6	402.2	440.1	490.3	389.9	473.6	522.1	388.2	204.2
9	160.0	191.0	249.9	327.6	403.0	441.9	483.8	393.6	471.5	522.9	382.0	203.3
10	160.7	192.2	251.7	329.8	403.0	442.8	477.0	398.1	472.0	522.1	375.3	202.4
11	161.7	193.6	253.9	331.5	402.0	442.4	470.2	405.9	472.9	520.0	368.9	201.2
12	162.9	194.9	256.1	332.5	402.7	441.2	463.9	408.6	473.2	519.5	361.7	200.4
13	163.9	196.2	257.8	334.5	402.3	439.4	458.1	408.9	474.0	517.2	355.1	198.6
14	165.4	197.5	259.0	336.7	401.0	437.6	452.8	408.8	475.3	514.7	348.6	195.2
15	166.6	199.1	260.5	339.0	399.2	442.4	447.9	410.1	478.3	512.0	342.0	192.0
16	167.5	200.8	264.7	340.5	395.9	453.7	444.1	413.9	483.3	508.8	336.2	189.1
17	168.6	202.5	270.0	341.7	393.8	460.8	440.6	420.1	494.4	504.9	330.5	185.6
18	169.8	204.8	273.1	342.9	391.8	464.5	438.9	427.6	506.7	500.9	324.8	182.1
19	171.0	206.5	275.9	344.0	392.1	467.2	436.7	437.5	514.3	496.5	318.0	178.9
20	172.1	208.6	278.2	346.0	393.3	470.9	435.7	447.9	517.2	491.6	311.4	175.8
21	173.4	210.7	280.2	347.8	393.4	481.3	435.9	457.4	518.9	486.9	304.9	173.3
22	174.9	213.3	282.4	349.3	393.0	497.1	436.8	466.3	523.1	482.1	298.2	170.7
23	175.7	215.5	284.6	350.6	392.1	499.7	435.2	473.1	525.4	477.2	291.5	168.4
24	176.3	217.7	287.3	352.6	391.8	500.0	430.8	477.1	525.1	472.7	284.6	166.7
25	177.0	219.8	290.1	355.9	403.0	498.2	425.3	479.7	522.2	467.9	278.1	165.2
26	177.2	221.9	292.9	359.5	407.4	495.0	419.4	481.3	519.8	462.6	271.2	163.7
27	177.0	224.1	296.0	363.3	410.8	492.3	413.6	482.2	519.2	457.3	264.4	161.9
28	177.7	226.4	299.0	366.5	414.4	488.6	407.4	482.6	520.5	452.2	257.5	159.9
29	178.3	228.5	301.7	369.5		484.3	401.6	482.6	520.7	447.2	250.8	157.7
30	178.9	231.0	304.4	373.0		480.1	395.5	482.2	520.7	442.1	244.5	156.6
31	180.1		307.3	376.1		478.9		481.7		436.4	237.9	
Monthly Change	+21.1	+50.9	+76.3	+68.8	+38.3	+64.5	-83.4	+86.2	+39.0	-84.3	-198.5	-81.3

Annual gain or loss in storage: 1957 Calendar Year +48,400; 1957-58 Water Year -2,400 Acre-feet
Differences in storage from 1956-57 to 1957-58 Water Year: Maximums +2,300; Minimums -2,400 Acre-feet

* Storage at end of day.

TABLE 146

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER BELOW FRIANT

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	115	78	71	26	53	164	4600	7390	7010	777	164	155
2	108	79	71	27	54	157	4320	6930	6620	475	153	155
3	99	79	71	24	96	153	4910	6510	6040	470	153	155
4	99	80	70	24	73	138	5820	6500	5540	470	157	153
5	99	80	71	24	78	93	6720	6500	5070	466	153	136
6	99	80	71	24	65	91	6960	6500	5070	466	149	126
7	99	79	71	24	64	87	6880	6210	5070	505	149	130
8	99	80	71	25	62	79	7090	6020	5070	731	146	144
9	99	79	71	24	62	75	7220	6030	3980	770	146	164
10	99	79	65	25	62	74	7540	6030	3020	924	146	146
11	101	79	48	24	61	73	7490	6030	3020	530	155	128
12	101	79	48	25	65	70	7440	6030	2260	462	157	130
13	102	79	48	24	70	71	7420	6020	1450	466	157	130
14	101	82	48	24	63	70	7380	6020	1450	272	160	130
15	96	80	49	25	61	126	7380	6030	1690	166	162	118
16	82	80	163	273	61	734	7360	6030	1520	166	166	104
17	83	80	466	399	75	326	7380	6030	973	166	166	106
18	83	78	355	155	104	186	7380	6060	1580	166	166	109
19	83	70	51	153	142	153	7360	5620	4150	166	146	109
20	84	70	52	149	128	214	7360	5100	5430	164	136	109
21	84	70	53	142	117	283	7340	5120	4680	162	136	109
22	84	70	52	176	113	1490	7340	5120	3300	162	136	109
23	85	70	52	221	111	3440	7340	6030	4850	162	138	99
24	85	71	52	144	118	4600	7390	7010	6210	164	140	87
25	85	70	51	59	407	4430	7390	7010	5780	166	142	85
26	85	70	52	61	224	4390	7410	6990	4710	166	142	88
27	85	70	51	61	181	4470	7390	6990	3120	166	144	87
28	87	70	51	58	166	4370	7380	7010	2020	164	144	87
29	84	73	50	51		4360	7390	7010	1760	166	155	88
30	79	70	48	55		4400	7390	7010	1330	169	157	87
31	82		27	54		4390		7010		171	157	
Mean	92.1	75.8	82.9	83.2	105	1412	6992	6319	3792	342	151	119
Acr-Ft.	5660	4510	5100	5120	5820	86790	416100	388600	225700	21020	9280	7070

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1181000

TABLE 147

DAILY MEAN DISCHARGE
LITTLE DRY CREEK AT MOUTH, NEAR FRIANT

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.5	52	975	16	0.8	0	0	0
2	0	0	0	0	0.1	40	831	14	0.8	0	0	0
3	0	0	0	0	87	31	1680	14	0.8	0	0	0
4	0	0	0	0	30	22	1050	12	0.8	0	0	0
5	0	0	0	0	53	14	870	12	0.4	0	0	0
6	0	0	0	0	14	17	1010	10	0.4	0	0	0
7	0	0	0	0	7.8	20	882	10	0.2	0	0	0
8	0	0	0	0	4.0	16	625	9.2	0.2	0	0	0
9	0	0	0	0	4.0	13	437	8.4	0.1	0	0	0
10	0	0	0	0	4.2	11	320	8.0	0.1	0	0	0
11	0	0	0	0	3.2	10	240	13	0.1	0	0	0
12	0	0	0	0	5.7	10	186	26	0.2	0	0	0
13	0	0	0	0	14	12	157	16	0.2	0	0	0
14	0	0	0	0	7.0	9.9	131	11	0	0	0	0
15	0	0	0	0	5.1	70	111	9.6	0	0	0	0
16	0	0	0	0	4.2	223	98	8.0	0	0	0	0
17	0	0	0	0	3.4	296	84	6.9	0	0	0	0
18	0	0	0	0	3.4	200	76	6.0	0	0	0	0
19	0	0	0	0	55	126	70	5.7	0	0	0	0
20	0	0	0	0	39	114	66	5.7	0	0	0	0
21	0	0	0	0	17	264	53	5.1	0	0	0	0
22	0	0	0	0	11	1460	45	5.7	0	0	0	0
23	0	0	0	0	11	780	38	6.3	0	0	0	0
24	0	0	0	0	11	668	33	5.1	0	0	0	0
25	0	0	0	0	340	367	30	4.2	0	0	0	0
26	0	0	0	0	174	236	26	3.3	0	0	0	0
27	0	0	0	19	133	305	24	2.4	0	0	0	0
28	0	0	0	2.8	90	258	21	2.2	0	0	0	0
29	0	0	0	0.1		176	19	1.9	0	0	0	0
30	0	0	0	1.6		178	17	1.5	0	0	0	0
31	0		0	3.2		248		0.8		0	0	
Mean	0	0	0	0.9	40.4	202	340	8.4	0.2	0	0	0
Acr-Ft.	0	0	0	53	2240	12390	20240	516	10	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 35450

TABLE 148

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER NEAR BIOLA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	87	70	68	54	72	303	4800	7140	6460	1290	146	143
2	87	65	70	51	72	267	5720	7080	6440	836	139	143
3	88	67	68	46	76	245	5580	6380	5750	598	137	139
4	87	70	68	43	100	218	6720	6240	5530	555	154	128
5	78	70	72	40	112	203	6920	6200	4800	516	143	128
6	78	68	74	38	115	178	7750	6160	4710	516	135	133
7	77	68	75	36	114	146	7860	6120	4700	508	128	135
8	67	70	72	36	97	146	7660	5710	4700	531	128	162
9	70	70	74	35	90	126	7390	5620	4660	655	150	164
10	68	72	75	36	81	117	7520	5620	3330	715	144	143
11	71	70	72	36	78	114	7590	5670	3100	797	152	137
12	80	71	67	35	81	108	7460	5790	3030	551	137	117
13	92	71	60	34	82	107	7370	5690	2030	474	133	114
14	95	80	56	34	84	110	7300	5640	1650	467	130	122
15	99	84	54	33	87	146	7250	5620	1580	361	128	122
16	93	82	57	33	80	183	7210	5610	1880	240	124	119
17	87	78	62	33	76	475	7170	5600	1360	203	135	107
18	80	75	197	224	74	738	7230	5600	1070	181	148	97
19	81	74	390	220	115	482	7230	5620	1950	176	131	94
20	78	74	207	160	146	396	7210	4970	4600	172	128	97
21	78	71	106	152	181	367	7210	4780	4610	178	126	100
22	77	70	87	148	156	1080	7210	4780	3680	158	122	102
23	75	67	77	148	143	3190	7170	4820	3380	154	122	103
24	77	68	71	208	130	4480	7160	6160	4840	148	131	103
25	77	68	65	232	168	4840	7230	6460	5690	150	141	97
26	77	68	62	143	646	4600	7210	6460	4720	150	137	90
27	77	68	59	108	551	4590	7210	6440	4140	154	121	87
28	74	68	58	97	383	4770	7170	6460	2420	160	121	87
29	71	68	57	89		4520	7140	6460	2110	154	139	84
30	71	68	57	82		4430	7170	6460	1700	150	141	80
31	68		54	75		4560		6460		146	141	
Mean	79.5	71.1	86.8	88.4	150	1491	7094	5930	3687	389	135	116
Ac-Ft	4890	4230	5340	5430	8310	91710	422100	364600	219400	23890	8310	6900

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1165000

TABLE 149

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER AT WHITEHOUSE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	22	24	28	45	321	4330	6340	5940	1540	108	86
2	30	22	25	30	45	277	5240	6310	5920	1110	106	86
3	26	22	25	29	46	252	5160	6140	5710	761	102	80
4	27	21	25	26	47	216	5930	5960	5400	607	104	78
5	27	22	32	24	61	185	6100	5930	5040	561	108	73
6	24	23	29	21	67	172	6260	5940	4730	538	99	75
7	26	22	28	15	71	155	6300	5960	4690	518	97	82
8	26	23	28	11	66	132	6310	5860	4670	488	92	87
9	21	22	28	10	63	119	6300	5740	4670	551	91	96
10	18	22	28	8	58	101	6280	5720	3900	638	104	96
11	20	23	30	7	52	93	6330	5750	3120	735	103	89
12	21	24	29	6	48	95	6320	5860	3020	665	100	84
13	27	23	26	5	47	89	6310	5830	2560	485	91	76
14	34	26	22	4	45	87	6380	5820	1800	446	88	74
15	34	30	18	4	45	96	6450	5800	1660	420	86	77
16	36	33	17	4	45	140	6440	5800	1730	274	82	80
17	32	33	17	3	40	164	6420	5790	1800	227	82	78
18	28	31	100	5	44	433	6410	5780	1250	193	84	71
19	27	30	200	104	64	506	6410	5710	1380	173	86	65
20	26	30	216	128	84	396	6380	5460	3260	161	79	58
21	26	30	134	113	106	354	6380	4940	4570	154	74	55
22	25	28	77	110	130	359	6370	4900	4140	146	72	55
23	24	26	67	106	120	1600	6350	4920	3120	130	70	59
24	25	25	59	124	108	3160	6350	5500	4040	124	68	61
25	25	25	53	157	106	4350	6370	6050	5210	119	73	59
26	25	26	47	160	150	4140	6380	6060	5130	120	78	58
27	26	25	40	108	426	4090	a 6380	6040	4400	122	73	57
28	26	25	37	94	380	4260	6370	6040	3280	120	68	b 52
29	26	25	34	71		4140	6350	6030	2130	119	69	50
30	24	25	32	63		4060	6340	5990	1920	113	78	48
31	23		30	54		4110		5950		110	83	
Mean	27	25	50	53	93	1247	6190	5804	3673	402	87	72
Ac-Ft	1624	1515	3088	3237	5181	76660	367800	356900	218600	247300	5351	4258

E — Estimated NR — No Record

a 23 hour day.
b 25 hour day.

Total Discharge in Acre-Feet 1292000

TABLE 150

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER NEAR MENDOTA

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	131	15	86	7	1	2	4170	6080	5240	477	405	411
2	127	11	86	4	1	4	4380	6010	5640	306	408	396
3	112	12	86	3	4	6	4730	5990	5710	277	405	339
4	88	10	81	2	4	28	5070	5950	5870	297	408	288
5	79	7	73	2	2	51	5460	5870	5810	327	405	282
6	77	6	63	2	1	31	5780	5840	5540	330	396	276
7	76	6	58	1	1	7	5840	5810	5310	339	402	258
8	64	6	53	1	1	10	5870	5760	5360	339	405	249
9	54	6	53	1	1	12	5930	5730	5330	330	411	243
10	54	6	53	1	1	14	6000	5710	5220	333	417	255
11	60	6	49	1	1	16	6060	5750	4040	321	424	270
12	66	8	42	1	2	32	6140	5850	3370	300	434	270
13	66	9	43	1	1	64	6230	5940	3280	291	430	264
14	63	24	42	1	1	88	6230	5920	2390	309	427	261
15	60	46	43	2	1	62	6260	5850	1540	324	452	294
16	59	48	42	2	1	23	6260	5710	940	354	466	339
17	58	53	40	1	2	19	6260	5410	460	399	472	349
18	60	49	39	2	4	275	6240	4930	373	384	476	360
19	63	46	39	1	5	417	6260	4320	483	354	469	362
20	63	50	38	1	3	288	6300	4020	670	339	469	372
21	67	60	38	1	2	300	6300	3940	2230	363	476	368
22	76	60	38	0	2	583	6280	3800	2810	384	476	360
23	81	69	38	1	2	1170	6290	3690	2520	390	466	370
24	82	81	38	5	4	3140	6300	3750	2260	387	469	385
25	90	81	37	2	4	3860	6300	4400	3450	384	480	383
26	93	79	37	1	2	4160	6260	4730	4020	378	476	381
27	91	79	36	1	1	4080	6220	4760	3620	378	452	379
28	91	76	36	1	1	4060	6190	4790	3310	384	458	376
29	86	79	34	1		4160	6150	4860	1640	417	462	374
30	48	86	34	1		4100	6110	4910	675	438	427	297
31	18		24	1		4080		5050		424	417	
Mean	74	39	48	2	2	1133	5930	5200	3300	357	440	327
Ac-Ft.	4560	2330	2970	103	111	69690	352800	319600	196600	21930	27050	19460

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1017000

TABLE 151

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER NEAR DOS PALOS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	8	25	3950	6180	4840	325	12	8
2	0	0	0	0	9	27	4040	6110	5000	119	12	12
3	0	0	0	0	11	26	4330	6010	5180	55	9	12
4	0	0	0	2	12	16	4690	5980	5470	37	0	8
5	0	0	0	12	14	0	5220	5910	5630	25	5	0
6	0	0	0	14	12	136	5630	5800	5610	12	12	0
7	0	0	0	15	12	1170	5940	5710	5400	12	12	0
8	0	0	0	15	11	680	6120	5620	5220	12	12	0
9	0	0	0	15	12	105	6180	5550	5200	12	12	7
10	0	0	0	15	12	17	6260	5510	5190	12	8	12
11	0	0	0	15	12	5	6330	5490	4980	12	0	8
12	0	0	0	15	17	4	6370	5530	3490	12	0	0
13	0	0	0	17	17	2	6480	5610	2780	12	7	0
14	0	0	0	18	15	8	6530	5670	2490	12	8	0
15	0	0	0	18	14	39	6470	5700	1580	12	12	0
16	0	0	0	17	14	120	6400	5690	905	10	12	0
17	0	0	0	15	14	161	6350	5590	520	8	12	0
18	0	0	0	14	16	258	6320	5350	222	8	4	0
19	0	0	0	13	24	382	6300	4900	200	0	0	0
20	0	0	0	12	27	368	6310	4070	205	0	4	0
21	0	0	0	12	23	313	6340	3700	590	7	12	0
22	0	0	0	11	20	313	6350	3560	1720	12	12	0
23	0	0	0	11	20	629	6310	3410	2150	12	8	0
24	9	0	0	18	21	1390	6320	3260	1770	12	0	0
25	5	0	0	19	24	2740	6320	3510	1870	12	4	0
26	0	0	0	14	25	3620	6320	4150	3150	12	12	0
27	0	0	0	12	25	3900	6310	4450	3580	12	11	0
28	0	0	0	10	23	3910	6280	4530	2960	8	0	0
29	0	0	0	9		3930	6240	4590	2320	0	0	0
30	9	0	0	8		4000	6200	4680	690	4	0	0
31	7		0	8		3940		4730		12	0	
Mean	1	0	0	12	17	1040	5970	5050	3030	26	7	2
Ac-Ft	60	0	0	742	920	63940	355500	310500	180300	1610	420	133

E — Estimated NR — No Record

Total Discharge in Acre-Feet 914100

TABLE 152

DAILY MEAN DISCHARGE
FRESNO RIVER NEAR DAULTON

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	4.8	7.4	24	65	230	3580	246	150	87	45	9.7
2	10	5.5	7.4	24	59	193	1730	232	147	84	43	8.2
3	10	8.6	10	20	988	181	6700	221	157	82	45	6.1
4	10	10	10	20	447	164	3070	217	154	82	40	7.0
5	2.1	12	15	20	589	148	1880	210	147	82	33	8.2
6	3.3	13	18	16	257	153	2740	207	144	76	31	8.2
7	4.2	12	16	15	167	159	1900	196	142	74	31	7.0
8	5.5	8.6	15	16	130	138	1380	185	141	74	29	8.2
9	6.4	10	13	16	111	133	1100	175	140	74	31	14
10	6.4	10	12	22	93	125	950	160	136	74	29	16
11	7.4	8.6	12	36	78	123	847	230	140	72	29	9.7
12	8.6	7.4	12	30	86	120	749	292	150	67	26	9.7
13	12	7.4	12	28	193	156	662	250	154	62	26	9.7
14	15	12	12	30	120	130	589	196	140	62	26	9.7
15	20	16	13	24	95	868	540	175	130	52	22	12
16	13	22	31	18	80	2790	502	160	126	55	22	12
17	10	16	133	18	69	1770	461	155	123	55	22	9.7
18	7.4	15	84	16	65	635	441	150	120	62	22	7.0
19	6.4	13	95	15	227	400	428	150	118	62	22	6.1
20	5.5	12	57	16	313	578	409	190	115	57	22	7.0
21	5.5	12	48	20	164	1200	399	217	112	57	20	7.0
22	6.4	12	42	18	128	3060	382	214	110	52	18	6.1
23	7.4	10	40	20	111	1060	350	221	108	55	18	7.0
24	6.4	8.6	36	30	114	1330	317	214	106	55	18	9.7
25	6.4	7.4	34	102	1340	792	294	203	105	55	18	22
26	6.4	7.4	34	130	722	542	278	186	105	60	22	16
27	5.5	7.4	32	294	378	732	273	183	98	52	18	14
28	5.5	8.6	32	123	268	697	269	179	94	48	16	14
29	5.5	7.4	26	88		478	263	166	90	55	18	14
30	4.8	7.4	26	97		632	259	157	88	60	14	12
31	5.5		26	88		1190		154		48	12	
Mean	6.4	10.4	31.0	46.3	266	674	1125	196	126	64.3	25.4	10.2
Ac-Ft	394	619	1910	2840	14790	41470	66930	12080	7520	3950	1560	609

E — Estimated NR — No Record

Total Discharge in Acre-Feet 154700

TABLE 153

DAILY MEAN DISCHARGE
EAST FORK CHOWCHILLA RIVER NEAR AHWAHNEE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			3.3	5.6	29	67	845	93	35	11	4.3	0.9
2			3.3	5.6	29	60	469	90	36	11	4.3	0.9
3			3.3	6.0	505	53	1820	86	43	11	4.0	0.9
4			2.9	5.6	202	48	627	85	36	10	3.6	1.1
5			5.6	5.2	173	43	389	81	33	9.6	3.6	1.1
6			6.0	4.7	90	51	662	80	31	9.1	3.3	1.1
7			4.7	4.7	69	47	382	80	31	8.5	2.9	1.1
8			4.0	4.7	61	44	294	76	31	8.0	2.9	1.1
9			4.0	4.7	60	46	247	75	27	7.5	3.3	2.1
10			3.6	18	51	43	225	73	26	7.0	2.6	1.8
11			3.3	14	44	42	212	91	27	7.0	2.3	1.3
12			3.3	10	75	44	197	131	30	6.5	2.3	1.3
13			2.9	10	67	52	190	90	28	7.0	2.3	1.3
14			2.6	10	51	78	177	78	25	6.5	1.8	1.3
15			3.6	8.5	46	397	166	72	23	6.5	1.6	1.6
16			49	8.0	41	1130	159	67	20	6.5	1.8	1.3
17			61	7.5	36	360	150	63	19	6.5	2.1	1.1
18			57	7.5	34	190	146	61	18	7.0	2.1	0.9
19			22	7.0	98	139	139	59	17	6.5	1.8	0.9
20			13	6.5	64	279	135	57	18	6.5	1.8	0.9
21		NR	11	6.5	49	417	133	52	16	6.0	1.6	1.1
22		NR	13	6.0	44	516	129	53	15	6.0	1.3	1.1
23		3.6E	12	6.0	40	242	123	53	14	5.6	1.3	1.6
24		3.6	9.1	33	63	236	113	49	14	5.6	1.3	4.3
25		3.3	8.0	68	416	170	107	46	13	5.6	1.1	3.6
26		3.3	7.5	146	150	141	102	44	13	4.7	1.1	2.9
27		3.3	7.0	101	96	161	98	41	12	5.2	1.1	2.6
28		3.3	7.0	42	78	141	96	41	11	4.7	1.1	2.1
29		3.3	6.5	31		135	93	40	11	4.7	0.9	1.8
30		3.3	6.0	57		283	95	37	11	4.7	1.1	1.8
31			6.0	34		228		35		4.7	1.1	
Mean			11.3	22.1	98.6	190	291	67.1	22.8	7.0	2.2	1.6
Ac-Ft			697	1357	5476	11670	17300	4124	1357	430	134	93

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 154

DAILY MEAN DISCHARGE
MIDDLE FORK CHOWCHILLA RIVER NEAR NIPINNAWASEE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							260	29	7.5	2.3	0.2	0
2							192	28	7.5	2.4	0.2	0
3							918 E	26	8.1	2.3	0.2	0
4							212	24	7.3	2.0	0.1	0
5							150	23	6.7	1.8	0.1	0
6						16 E	244	23	6.7	1.8	0.1	0
7						12	141	21	6.7	1.6	0.2	0
8						10	104	21	6.2	1.0	0.3	0
9						9.4	89	19	5.9	1.1	0.2	0
10						8.4	81	19	5.4	1.2	0.1	0
11						7.5	76	23	5.4	1.2	0.2	0
12						9.1	71	31	5.7	1.2	0.1	0
13						9.7	66	23	5.4	1.1	0.1	0
14						23	63	20	4.8	0.9	0	0
15						113	58	17	4.6	0.7	0	0
16						306	56	16	4.1	0.7	0.1	0
17						65	53	15	3.9	0.6	0.1	0
18						32	50	15	3.8	0.6	0	0
19						29	48	14	3.8	0.5	0	0
20						61	46	13	3.6	0.5	0	0
21						88	43	12	3.4	0.5	0	0
22						123	42	13	3.4	0.6	0	0
23						60	40	13	3.2	0.6	0	0
24						67	38	12	3.1	0.6	0	0
25						52	37	11	2.7	0.6	0	0
26						49	35	10	2.7	0.5	0	0
27						60	34	9.4	2.4	0.5	0	0
28						61	33	9.4	2.3	0.4	0	0
29						60	32	8.7	2.4	0.4	0	0
30						106	31	8.1	2.3	0.4	0	0
31						92		7.5		0.3	0	
Mean							111	17.2	4.7	1.0	0.1	0
Ac-Ft.							6631	1059	280	61	5	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 155

DAILY MEAN DISCHARGE
WEST FORK CHOWCHILLA RIVER NEAR MARIPOSA

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.5	1.1	12	45	598	33	8.5	2.1	0.2	0
2			0.8	1.3	12	37	515	30	9.1	1.9	0.2	0
3			0.9	1.5	280	33	1550	28	10	1.8	0.2	0
4			1.0	1.3	138	29	433	28	8.8	1.8	0.1	0
5			0.8	1.2	95	26	252	27	8.0	1.7	0.1	0
6			0.8	1.3	44	31	445	25	8.5	1.3	0.1	0
7			0.6	1.2	31	25	225	25	8.8	1.2	0.1	0
8			0.6	1.2	29	24	167	23	8.5	1.1	0.1	0
9			0.6	1.1	21	22	145	21	7.8	1.0	0	0
10			0.5	13	16	21	128	23	7.8	0.8	0	0
11			0.5	4.6	13	20	117	44	8.3	0.8	0	0
12			0.5	2.6	47	36	102.	57	9.1	0.7	0	0
13			0.5	2.8	35	43	91	33	8.5	0.7	0	0
14			0.5	2.2	21	102 E	82	27	7.3	0.6	0	0
15			1.8	1.9	16	228 E	77	24	6.1	0.6	0	0
16			20	1.8	13	780 E	71	21	5.3	0.7	0	0
17			16	1.7	11	231	65	19	4.8	0.7	0	0
18			37	1.6	11	136	61	18	4.6	0.8	0	0
19			5.9	1.5	79	104	57	16	4.3	0.8	0	0
20			2.8	1.4	38	217	53	16	4.1	0.6	0	0
21			2.1	1.4	23	299	50	14	4.1	0.6	0	0
22			2.7	1.3	19	301	48	16	3.8	0.6	0	0
23		0.3E	1.9	1.3	16	161	46	18	3.5	0.6	0	0
24		0.3	1.7	23	86	191	42	16	3.2	0.5	0	0
25		0.3	1.5	43	304	115	41	14	3.1	0.5	0	0
26		0.4	1.4	261	91	95	39	13	2.9	0.4	0	0
27		0.3	1.4	79	59	133	39	11	2.6	0.4	0	0
28		0.3	1.3	25	51	102	37	10	2.3	0.4	0	0
29		0.3	1.2	14		88	35	10	2.1	0.4	0	0
30		0.3	1.2	56		162	35	9.6	2.1	0.3	0	0
31			1.2	19		141		8.8		0.2	0	
Mean			3.6	18.4	57.5	128	188	21.9	5.9	0.9	0.0	0
Ac-Ft			219	1131	3195	7890	11200	1346	353	53	2	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 156

DAILY MEAN DISCHARGE
STRIPED ROCK CREEK NEAR RAYMOND

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0	0.2	6.6	11	259	13	2.8	0.4	0.1	0
2			0	0.2	6.6	9.6	136	12	2.8	0.4	0.1	0
3			0.1	0.2	95	8.2	593	12	3.0	0.4	0.1	0
4			0.1	0.2	50	7.6	253	11	2.8	0.3	0.1	0
5			0.4	0.2	24	7.2	135	11	2.6	0.3	0.1	0
6			0.2	0.2	13	8.2	226	10	2.6	0.3	0	0
7			0.1	0.2	9.9	7.2	122	9.6	2.6	0.3	0.1	0.1
8			0.1	0.2	8.2	6.6	86	9.2	2.4	0.2	0.1	0.3
9			0.2	0.2	6.3	6.6	73	9.6	2.2	0.2	0.1	0.1
10			0.2	4.2	5.5	6.3	63	9.6	2.2	0.2	0.1	0.1
11			0.2	1.9	4.7	6.3	56	12	2.4	0.2	0.1	0.1
12			0.2	1.3	15	7.9	48	17	2.4	0.2	0	0.1
13			0.2	1.4	7.6	8.5	42	11	2.4	0.2	0	0.1
14			0.2	1.1	4.7	11	36	9.9	1.9	0.2	0	0.1
15			0.5	0.9	3.9	149	33	8.9	1.7	0.3	0	0.1
16			3.2	0.9	3.2	302	29	7.9	1.4	0.3	0.1	0
17			2.9	0.9	2.6	72	26	7.2	1.1	0.3	0.1	0
18			8.7	0.9	2.4	41	25	6.9	1.0	0.3	0.1	0
19		0 E	1.2	0.9	40	31	23	6.3	1.0	0.2	0.1	0
20		0.1	0.4	0.7	12	80	21	5.8	1.1	0.2	0.1	0
21		0.1	0.4	0.6	6.0	124	20	5.2	1.0	0.2	0	0
22		0	0.5	0.6	5.2	123	18	6.0	0.9	0.3	0	0
23		0	0.4	0.6	4.4	82	17	5.8	0.7	0.3	0	0.3
24		0	0.3	16	68	106	16	4.7	0.6	0.2	0	0.2
25		0.1	0.3	8.2	130	52	15	4.4	0.6	0.2	0	0.1
26		0.1	0.3	67	29	42	15	3.9	0.5	0.2	0	0.1
27		0.1	0.3	34	16	64	14	3.5	0.4	0.2	0	0.1
28		0.1	0.3	8.5	14	45	14	3.2	0.4	0.2	0	0.1
29		0	0.3	6.6		38	13	3.2	0.4	0.2	0	0.1
30		0	0.3	29		68	13	3.0	0.4	0.2	0	0.1
31			0.3	7.6		59		2.8		0.2	0	
Mean			0.7	6.3	21.2	51.3	81.3	7.9	1.6	0.3	0.0	0.1
Ac-Ft.			45	388	1178	3154	4840	487	96	15	3	4

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 157

DAILY MEAN DISCHARGE
CHOWCHILLA RIVER AT BUCHANAN DAM SITE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	4.1	10	76	214	3420	199	57	16	3.3	0
2	0	0	4.1	11	64	184	2120	188	57	16	2.8	0
3	0	0	4.1	10	1170	157	7250	176	66	15	2.4	0.1
4	0	0.1	4.3	10	489	136	2820	168	64	15	2.0	0.1
5	0	0.6	6.5	9.6	606	122	1650	161	57	14	1.5	0.1
6	0	1.2	7.2	9.2	261	124	2640	154	54	12	1.2	0.1
7	0	1.6	7.8	8.9	168	128	1560	148	53	11	0.9	0.1
8	0	1.8	7.0	8.9	130	106	1130	140	53	10	1.0	0.1
9	0	1.6	6.5	8.9	128	105	922	134	52	9.6	0.9	0.1
10	0	1.6	6.0	19	101	97	810	130	48	8.9	0.9	0.1
11	0	1.6	5.8	43	87	96	732	155	48	8.2	0.9	0.1
12	0	1.8	5.8	28	116	104	660	270	51	7.5	0.6	0
13	0	1.8	5.5	22	231	155	595	195	54	7.2	0.6	0
14	0	4.8	5.5	19	122	136	541	152	49	7.0	0.5	0.2
15	0	5.5	6.8	18	98	1440	500	132	44	6.8	0.5	0.3
16	0	7.2	12	15	86	3980	467	120	40	6.8	0.6	0.3
17	0	5.5	147	14	78	1300	432	112	35	6.5	0.7	0.3
18	0	5.0	89	14	71	642	408	104	33	6.8	0.5	0.3
19	0	4.5	118	13	259	471	389	98	30	7.0	0.5	0.3
20	0	4.3	40	12	359	884	369	96	29	7.0	0.6	0.2
21	0	4.5	26	11	161	1640	350	90	28	6.8	0.5	0.2
22	0	4.3	22	11	124	1920	334	90	26	6.5	0.4	0.1
23	0	4.1	22	11	106	888	310	88	25	6.2	0.4	0.2
24	0	3.9	17	55	115	992	289	90	23	6.0	0.3	0.3
25	0	3.9	14	177	1700	633	276	82	22	5.5	0.3	0.4
26	0	3.9	14	556	683	520	260	76	21	5.2	0.2	0.6
27	0	3.9	12	504	363	686	242	71	20	5.0	0.2	1.2
28	0	3.9	12	137	270	589	231	68	18	4.5	0.1	0.9
29	0	3.9	12	92		499	220	66	17	4.1	0.1	0.7
30	0	3.9	11	203		938	210	64	16	4.1	0	0.6
31	0		10	112		893		59		3.5	0	
Mean	0	3.0	21.5	70.1	294	670	1071	125	39.7	8.2	0.8	0.3
Ac-Ft	0	180	1320	4310	16310	41210	63740	7710	2360	507	50	16

E — Estimated NR — No Record

Total Discharge in Acre-Feet 137700

TABLE 158

DAILY MEAN DISCHARGE
MARIPOSA CREEK NEAR CATHAY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			1.0	2.1	34	52	1390	33	8.1	1.4E	0	0
2			1.0	3.5	27	40	920	31	8.1	1.3E	0	0
3			1.0	4.9	254	33	2570	30	8.7	1.2E	0	0
4			1.1	3.8	270	27	1040	28	8.1	1.0E	0	0
5			4.0	3.0	238	23	476	25	7.8	0.9E	0	0
6			3.8	2.6	81	25	862	26	7.3	0.9E	0	0
7			2.1	2.3	51	20	473	25	7.3	0.8E	0	0
8			1.8	2.3	38	17	328	23	7.1	0.7E	0	0
9			1.4	2.3	27	16	257	23	6.8	0.6E	0	0
10			1.3	33	22	15	215	22	6.6	0.6E	0	0
11			1.3	19	17	14	181	36	6.3		0	0
12			1.1	13	78	30	154	52	6.6		0	0
13			1.1	12	68	41	135	30	6.1		0	0
14			1.1	10	32	47	116	24	5.5		0	0
15			2.1	8.1	23	759	103	21	4.6		0	0
16			124	7.3	17	1580	88	19	4.1		0	0
17			61	6.6	14	461	83	17	3.6		0	0
18			92	5.9	13	207	77	17	3.4	0.6E	0	0
19			24	5.2	291	142	71	15	3.2		0	0
20			12	4.9	120	389	66	15	3.2		0	0
21			8.1	4.0	55	659	61	14	2.8		0	0
22			12	4.0	37	747	56	15	2.6		0	0
23		1.3E	9.3	3.8	29	356	52	16	2.5		0	0
24		1.3	6.2	73	203	408	49	14	2.4		0	0
25		1.3	5.2	74	732	240	46	12	2.1		0	0
26		1.3	4.3	469	200	183	43	11	2.0	0.5E	0	0
27		1.3	3.8	256	96	295	42	10	1.9E	0.5	0	0
28		1.3	3.3	56	68	238	39	9.8	1.8E	0.3	0	0
29		1.1	3.0	34		193	38	9.2	1.6E	0.2	0	0
30		1.1	2.8	139		423	36	8.9	1.6E	0.1	0	0
31			2.3	52		390		8.7		0.1	0	
Mean			12.9	42.5	112	260	336	20.7	4.8	0.6	0	0
Ac-Ft			790	2611	6218	16010	19970	1271	285	40	0	0

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 159

DAILY MEAN DISCHARGE
MARIPOSA CREEK BELOW MARIPOSA RESERVOIR

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	3	64	132	624	45	6	0	0	0
2	0	0	0	3	43	92	802	41	6	0	0	0
3	0	0	0	3	133	72	1030	40	6	0	0	0
4	0	0	0	4	209	63	1100	38	6	0	0	0
5	0	0	0	4	317	50	1100	38	5	0	0	0
6	0	0	0	4	218	46	1110	36	5	0	0	0
7	0	0	0	4	102	45	1070	35	4	0	0	0
8	0	0	0	6	67	38	1050	33	4	0	0	0
9	0	0	0	6	49	33	1010	32	4	0	0	0
10	0	0	0	5	38	30	970	29	3	0	0	0
11	0	0	0	18	32	29	913	30	3	0	0	0
12	0	0	0	12	38	29	850	49	3	0	0	0
13	0	0	0	9	113	54	770	49	3	0	0	0
14	0	0	0	7	81	49	666	33	2	0	0	0
15	0	0	0	7	50	277	547	28	2	0	0	0
16	0	0	0	6	40	734	332	23	1	0	0	0
17	0	0	3	6	33	842	150	19	1	0	0	0
18	0	0	26	5	30	794	99	16	1	0	0	0
19	0	0	69	5	169	722	94	15	1	0	0	0
20	0	0	16	5	358	626	85	13	1	0	0	0
21	0	0	8	5	209	626	79	13	0.9	0	0	0
22	0	0	6	4	102	706	72	13	0.9	0	0	0
23	0	0	6	4	72	706	65	17	0.8	0	0	0
24	0	0	6	12	64	650	61	15	0.7	0	0	0
25	0	0	5	91	488	589	58	12	0.7	0	0	0
26	0	0	5	96	553	480	56	12	0.5	0	0	0
27	0	0	4	442	452	354	54	11	0.3	0	0	0
28	0	0	4	247	262	410	50	10	0	0	0	0
29	0	0	4	70		310	49	9	0	0	0	0
30	0	0	4	109		273	47	9	0	0	0	0
31	0		4	107		456		8		0	0	
Mean	0	0	5	42	156	333	499	25	2.4	0	0	0
Ac-Ft	0	0	340	2596	8640	20460	29670	1529	142	0	0	0

E — Estimated NR — No Record Total Discharge in Acre-Feet 63380

TABLE 160

DAILY MEAN DISCHARGE
SALT SLOUGH NEAR LOS BANOS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	30	24	46	91	120	593	629	407	326	158	140
2	88	27	27	47	94	117	686	582	415	303	164	143
3	77	28	33	48	96	116	819	571	423	280	175	150
4	73	30	46	46	99	117	922	595	431	258	173	153
5	66	30	70	46	101	115	986	602	439	237	168	143
6	59	29	59	72	103	112	1020	605	447	204	153	138
7	57	29	52	79	105	108	1030	614	455	188	163	132
8	55	29	49	71	107	104	1040	629	463	173	160	129
9	54	29	50	59	109	104	1030	647	465	172	166	120
10	36	30	51	61	111	111	984	659	470	166	153	120
11	31	35	51	65	113	101	926	663	460	165	143	126
12	47	50	53	65	115	99	892	661	455	168	136	133
13	62	41	54	66	117	100	864	650	450	168	122	129
14	43	30	53	74	120	103	831	638	445	176	115	131
15	30	30	50	79	122	121	801	627	445	187	127	129
16	41	31	58	81	125	213	778	636	430	167	144	121
17	40	30	59	88	126	240	753	553	400	161	155	114
18	37	29	59	88	128	214	740	510	370	177	156	118
19	28	29	58	87	128	206	733	519	330	186	144	119
20	29	33	58	85	129	216	724	508	270	177	144	112
21	28	36	56	84	130	222	710	496	250	173	150	109
22	28	36	55	81	128	232	685	482	245	158	136	106
23	36	37	54	81	124	229	672	474	270	146	132	113
24	30	36	55	81	121	234	663	444	310	160	126	116
25	29	36	53	81	123	321	650	428	335	171	130	105
26	36	36	54	81	125	372	643	433	330	175	138	109
27	50	39	58	82	124	454	649	402	340	178	130	112
28	36	56	52	83	122	512	656	431	345	177	138	114
29	30	51	37	85		542	641	441	345	165	135	108
30	22	42	48	87		546	625	431	350	172	140	100
31	24		46	89		553		409		162	129	
Mean	45.5	34.5	51.0	73.2	116	224	792	547	386	190	145	123
Ac-Ft	2800	2050	3140	4500	6420	13790	47100	33660	22990	11650	8930	7320

E — Estimated NR — No Record

Total Discharge in Acre-Feet 164400

TABLE 161

DAILY MEAN DISCHARGE
OWENS CREEK BELOW OWENS RESERVOIR

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.5	1	10	17	98	11	5	1	1	0.5
2	0	0	0.5	1	9	13	120	10	5	1	1	0.5
3	0	0	0.5	1	30	12	156	10	6	1	1	0.5
4	0	0	0.5	1	28	10	172	10	6	1	0.5	0.5
5	0	0	0.7	1	40	10	172	10	5	1	0.5	0.5
6	0	0	0.6	1	12	10	168	9	5	1	0.5	1
7	0	0	0.5	1	10	9	168	9	5	1	0.5	1
8	0	0	0.5	1	7	8	165	8	5	1	1	1
9	0	0	0.5	1	6	7	160	8	4	1	0.5	1
10	0	0	0.5	2	5	6	157	8	4	1	0.5	1
11	0	0	0.5	3	4	6	152	9	4	1	0.5	1
12	0	0.5	0.5	2	14	7	143	14	4	1	0.5	1
13	0	0.5	0.5	2	12	10	138	11	4	1	0.5	1
14	0	0.5	0.5	2	7	11	131	9	4	1	0.5	1
15	0	0.5	0.8	2	6	76	123	8	3	1	0.5	1
16	0	0.5	10	2	5	116	116	8	3	1	0.5	1
17	0	0.5	33	2	4	120	103	7	3	1	0.5	1
18	0	0.5	15	2	4	112	83	7	3	1	0.5	0.5
19	0	0.5	8	1	65	109	32	7	3	1	0.5	0.5
20	0	0.5	4	1	83	97	19	6	3	1	1	1
21	0	0.5	2	1	24	97	17	6	2	1	0.5	1
22	0	0.5	2	1	12	111	16	7	2	1	0.5	1
23	0	0.5	2	1	10	109	15	10	2	1	0.5	1
24	0	0.5	2	27	18	102	14	8	2	1	0.5	1
25	0	0.5	2	16	104	88	13	7	2	1	0.5	1
26	0	0.5	1	27	104	62	13	7	2	1	0.5	1
27	0	0.5	1	74	91	48	12	6	2	1	0.5	1
28	0	0.5	1	15	52	77	12	6	2	1	0.5	1
29	0	0.5	1	11		49	11	6	2	1	0.5	1
30	0	0.5	1	46		46	11	6	1	1	0.5	1
31	0		1	15		78		5		1	0.5	
Mean	0	0.3	3.0	8.5	27.7	53	90	8.2	3.4	1	0.6	0.9
Ac-Ft	0	19	187	524	1539	3239	5375	502	204	61	36	53

E — Estimated NR — No Record

Total Discharge in Acre-Feet 11740

TABLE 162

DAILY MEAN DISCHARGE
BEAR CREEK NEAR CATNAY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sept.
1				0.7	28	25	614	4.2	0.4E	0	0	0
2				1.0	20	18	376	3.6	0.4E	0	0	0
3				0.9	130	14	1030	3.4	0.4E	0	0	0
4				0.8	216	11	389	2.8	0.4E	0	0	0
5				0.7	154	8.7	164	2.6	0.3E	0	0	0
6				0.5	52	8.4	298	2.3	0.3E	0	0	0
7				0.4	30	6.7	135	2.1	0.3E	0	0	0
8				0.4	21	5.5	81	1.9	0.3E	0	0	0
9			0 E	0.4	14	4.4	54	1.7	0.3E	0	0	0
10			0	26	10	4.3	43	1.7	0.2E	0	0	0
11			0	14	7.6	3.8	35	2.8	0.2E	0	0	0
12			0	6.8	39	5.9	28	4.9	0.2E	0	0	0
13			0	5.3	40	13	24	2.8	0.2E	0	0	0
14			0	3.8	22	82	20	2.2	0.2E	0	0	0
15			0	2.7	15	787	17	1.6	0.2E	0	0	0
16			24	2.0	11	679	15	1.5	0.2E	0	0	0
17			24	1.4	7.9	234	14	1.3	0.2E	0	0	0
18			50	0.9	6.7	89	12	1.2	0.2E	0	0	0
19			14	0.8	230	51	11	0.9	0.2E	0	0	0
20			5.5	0.6	90	197	9.5	0.9	0.2E	0	0	0
21			3.8	0.4	39	411	9.0	0.8	0.2E	0	0	0
22			20	0.3	24	325	8.1	1.0	0.1E	0	0	0
23			8.1	0.4	17	117	7.2	2.0	0.1E	0	0	0
24			4.3	84	84	157	6.5	1.3	0.1E	0	0	0
25			3.0	77	305	81	6.4	0.9	0.1E	0	0	0
26			2.2	371	128	54	6.0	0.8	0.1E	0	0	0
27			1.8	189	56	125	5.6	0.7	0	0	0	0
28			1.5	43	36	135	5.3	0.6	0	0	0	0
29			1.2	24		78	4.9	0.5	0	0	0	0
30			1.0	156		171	4.6	0.5	0	0	0	0
31			0.9	52		158		0.4		0	0	
Mean				34.4	65.5	131	114	1.8	0.2	0	0	0
Ac-Ft.				2117	3636	8052	6809	111	12	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 163

DAILY MEAN DISCHARGE
BEAR CREEK BELOW BEAR RESERVOIR

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	3	57	66	756	19	7	1	0	0
2	0	0	0	4	40	52	825	17	8	1	0	0
3	0	0	0	4	187	44	1470	16	8	1	0	0
4	0	0	0	4	195	30	1510	16	8	1	0	0
5	0	0	0	3	372	26	1190	15	8	0	0	0
6	0	0	0	3	120	24	769	14	8	0	0	0
7	0	0	0	4	65	24	386	13	7	0	0	0
8	0	0	0	3	50	20	214	13	7	0	0	0
9	0	0	0	3	38	18	154	13	7	0	0	0
10	0	0	0	6	30	16	122	12	7	0	0	0
11	0	0	0	21	25	15	100	13	6	0	0	0
12	0	0	0	16	32	14	82	22	6	0	0	0
13	0	0	0	11	88	19	69	22	6	0	0	0
14	0	0	0	8	52	28	58	14	6	0	0	0
15	0	0	0	7	37	857	51	13	5	0	0	0
16	0	0	0	6	30	1300	46	12	4	0	0	0
17	0	0	21	6	25	1060	40	10	4	0	0	0
18	0	0	28	6	25	265	37	10	4	0	0	0
19	0	0	49	5	347	122	34	9	4	0	0	0
20	0	0	15	5	322	203	32	9	3	0	0	0
21	0	0	8	5	108	533	29	9	3	0	0	0
22	0	0	7	4	65	913	28	9	3	0	0	0
23	0	0	14	4	50	289	25	12	2	0	0	0
24	0	0	9	37	45	284	24	13	2	0	0	0
25	0	0	6	165	511	178	24	10	2	0	0	0
26	0	0	6	236	346	120	23	9	2	0	0	0
27	0	0	5	594	147	153	22	8	1	0	0	0
28	0	0	4	115	93	260	22	8	1	0	0	0
29	0	0	4	47		142	21	8	1	0	0	0
30	0	0	4	216		150	21	8	1	0	0	0
31	0		4	121		317		8		0	0	
Mean	0	0	6	54	125	243	273	12	4.7	0.1	0	0
Ac-Ft	0	0	365	3320	6946	14960	16240	762	279	8	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 42880

TABLE 164

DAILY MEAN DISCHARGE
BURNS CREEK BELOW BURNS RESERVOIR

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.3	42	59	980	5	0.5	0	0	0
2	0	0	0	18	33	48	611	5	0.5	0	0	0
3	0	0	0	5	491	41	1760	5	0.5	0	0	0
4	0	0	0	1	458	35	1600	5	0.5	0	0	0
5	0	0	0	0.8	331	29	473	5	0.2	0	0	0
6	0	0	0	0.7	88	26	801	6	0.2	0	0	0
7	0	0	0	0.6	57	22	316	6	0.1	0	0	0
8	0	0	0	0.5	43	18	178	6	0	0	0	0
9	0	0	0	0.5	34	16	125	6	0	0	0	0
10	0	0	0	1.8	29	14	99	5	0	0	0	0
11	0	0	0	5	24	13	79	6	0	0	0	0
12	0	0	0	2	124	13	62	9	0	0	0	0
13	0	0	0	1	84	14	48	8	0	0	0	0
14	0	0	0	0.8	38	68	39	6	0	0	0	0
15	0	0	0	0.7	29	1240	34	5	0	0	0	0
16	0	0	50	0.6	25	1580	27	4	0	0	0	0
17	0	0	15	0.6	21	831	13	4	0	0	0	0
18	0	0	44	0.5	81	176	20	3	0	0	0	0
19	0	0	5	0.5	1090	111	17	2	0	0	0	0
20	0	0	1	0.4	356	329	16	2	0	0	0	0
21	0	0	0.8	0.4	92	605	14	2	0	0	0	0
22	0	0	3	0.3	60	1110	12	2	0	0	0	0
23	0	0	1	0.4	45	228	10	3	0	0	0	0
24	0	0	0.8	309	88	367	9	3	0	0	0	0
25	0	0	0.6	128	440	170	8	3	0	0	0	0
26	0	0	0.6	452	257	107	8	2	0	0	0	0
27	0	0	0.5	556	90	180	6	2	0	0	0	0
28	0	0	0.4	117	58	172	6	1	0	0	0	0
29	0	0	0.3	59		91	5	1	0	0	0	0
30	0	0	0.3	325		234	5	1	0	0	0	0
31	0		0.3	108		256		0.5		0	0	
Mean	0	0	4	68	165	265	246	4	0.1	0	0	0
Ac-Ft	0	0	244	4191	9138	16270	14660	245	5	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 44750

TABLE 165

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	164	52	51	81	934	2200	4190	3800	3490	2330	285	296
2	129	51	44	85	844	1950	4320	3770	3510	1570	291	298
3	119	50	41	86	723	1540	4610	3750	3490	1040	300	312
4	107	48	42	89	780	1170	4960	3750	3490	760	310	328
5	112	46	56	89	1140	959	5500	3740	3500	658	325	332
6	137	47	74	92	1470	822	5850	3730	3500	620	314	336
7	139	42	75	110	1810	723	5800	3730	3540	591	305	336
8	115	39	73	122	1700	770	5570	3740	3580	581	287	354
9	112	36	71	120	1310	1120	5340	3740	3600	538	282	426
10	101	36	65	112	976	1060	5120	3730	3590	455	285	432
11	82	36	56	115	749	780	4980	3720	3550	455	274	388
12	62	36	60	123	624	609	4800	3730	3480	416	262	376
13	77	45	64	123	576	530	4680	3740	3430	388	255	378
14	89	50	62	140	660	492	4590	3720	3300	376	236	378
15	74	44	68	179	651	547	4480	3690	3300	384	233	350
16	56	39	75	234	579	1470	4380	3680	2970	374	246	346
17	69	36	85	242	510	2540	4300	3680	2260	352	250	318
18	116	35	91	258	462	3300	4230	3680	1700	364	264	300
19	97	36	125	242	645	3690	4160	3700	1400	372	278	271
20	66	34	134	232	1140	3800	4110	3710	1220	378	267	249
21	59	42	130	224	2000	3690	4060	3690	1090	374	257	264
22	65	51	107	214	2420	3610	4020	3620	1020	363	267	280
23	61	50	106	203	2210	3650	3980	3510	1350	355	265	336
24	59	45	101	236	1770	3990	3950	3440	1880	355	262	348
25	55	45	100	330	1390	4110	3920	3380	2120	355	262	354
26	71	45	94	642	1330	4080	3880	3320	2120	348	258	325
27	91	40	96	900	1790	4010	3870	3290	2140	352	260	332
28	92	42	101	1090	2180	3980	3850	3320	2350	334	246	339
29	79	56	96	1390		3980	3830	3390	2530	319	252	327
30	61	57	82	1330		4020	3820	3450	2560	305	265	280
31	52		82	1020		4080		3480		298	285	
Mean	89.3	43.7	80.9	337	1192	2364	4505	3626	2702	541	272	333
Ac-Ft	5490	2600	4970	20730	66190	145300	268100	223000	160800	33240	16720	19810

E — Estimated NR — No Record

Total Discharge in Acre-Feet 967000

TABLE 166

DAILY MEAN DISCHARGE
MERCED RIVER AT EXCHEQUER

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	815	43	41	43	44	613	2600	2920	6920	2920	1740	1470 E
2	675	43	41	42	45	613	4980	3450	5860	2720	1710	1440
3	129	43	42 E	43	59	612	8340	4180	5590	2620	1670	1390
4	56	40	42 E	43	49	620	10500	4380	4700	2620	1660	1360
5	39	39	42 E	43	38	726	8930	4860	4750	2670	1660	1350
6	39	40	42 E	43	39	892	6670	6130	4880	2680	1650	1310
7	39	41	42 E	44	40	888	4900	6320	4910	2720	1640	1080
8	40	42	42 E	44	39	868	3460	6490	4640	2660	1640	1240
9	41	42	42 E	44	38	757	2510	6420	3710	2520	1610	1330
10	41	42	42 E	45	38	672	2580	6780	2720	2380	1600	1240
11	41	42	44	40	38	644	2370	7660	1910	2200	1620	1180
12	40	42	43	40	40	632	2650	6250	1830	2050	1660	1130
13	40	42	43	40	39	615	2790	5300	1820	1960	1660	1120
14	39	42	45	41	38	617	2350	4300	1840	1950	1730	1120
15	42	42	46	41	38	909	2280	4720	1840	1980	1730	1130
16	41	42	44	41	38	1270	2310	5780	1930	1950	1710	1090
17	41	43	45	41	38	1260	2930	7030	4880	1940	1700	1060
18	42	43	43	40	40	1290	3180	8020	6420	1940	1700	1110
19	42	42	42	39	55	1260	3640	8020	6630	1890	1660	1120
20	42	41	41	38	48	1540	3660	7980	6360	1860	1630	1130
21	42	41	41	43	40	1320	3880	8050	5750	1870	1610	1140
22	42	42	40	43	39	4550	4180	8020	5440	1810	1600 E	1100
23	42	42	39	43	39	4760	4180	7960	5640	1800	1580 E	1040
24	42	42	42	50	39	4130	3380	8000	5570	1780	1580 E	996
25	42	42	42	50	44	2590	2920	7960	4680	1760	1580 E	960
26	43	41	42	54	39	1300	2570	7980	3870	1780	1530 E	930
27	43	41	42	46	50	731	2790	8000	4040	1790	1520 E	918
28	43	41	42	49	591	1290	2920	8000	4010	1790	1520 E	948
29	43	42	43	57		1300	2920	7990	3650	1820	1520 E	948
30	43	42	43	53		1750	2920	7720	3000	1830	1520 E	954
31	43		43	43		3660		7930		1770	1520 E	
Mean	90.1	41.7	42.4	44.1	61.5	1441	3876	6600	4326	2130	1628	1144
Ac-Ft.	5540	2480	2600	2710	3420	88630	230700	405800	257400	131000	100100	68100

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1298000

TABLE 167

DAILY MEAN DISCHARGE
MERCED RIVER BELOW SNELLING

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	91	0.4	6.2	36 E	80	476	3790	1290		1140 E	20	28
2	53	0.5	5.9	38 E	72	476	5410	1580		706 E	19	24
3	99	0.7	5.7	36 E	274	476	6910	2330	3800 E	603	19	26
4	64	1.7	6.2	25	264	483	11200	2680		597	17	20
5	15	2.6	10	20	241	497	10200	2870		626	14	22
6	6.6	3.1	12	19	128	631	7840			650	13	23
7	3.7	3.1	8.6	18	98	656	5760		2600 E	656	14	30
8	2.7	2.5	6.7	18 E	78	647	4240	4600 E		626	17	18
9	1.8	2.3	7.2	18 E	67	608	2280			520	16	14
10	1.4	2.6	6.9	19 E	60	547	2650		1160	432	19	13
11	1.5	2.4	7.5	19 E	55	525	2230		465	346	18	14
12	1.9	2.8	8.0	20 E	86	532	2430		126	169	25	15
13	2.3	4.3	8.6	22 E	107	511	2670	4300 E	103	83	44	14
14	2.4	7.1	9.2	23 E	67	525	2200		95	55 E	37	15
15	1.6	10	15	23 E	57	1010	2000		100	42 E	41	15
16	1.2	8.8	26	23	55	1740	1980		149	31 E	37	16
17	0.7	8.5	49	23	51	1180	2650			22 E	43	16
18	0.7	9.1	35	23	60	1110	2670	5400 E		21	42	13
19	0.5	8.8	38	23	611	1100	3210		3200 E	22	44	11
20	0.5	9.4	19	22	231	1400	3190			26	36	11
21	0.3	11	13	22	146	1800 E	3170			32	32	11
22	1.0	12	15	26	114	4000 E	3370			31	27	12
23	1.4	11	17 E	29	98	5000 E	3330	6600 E	3600 E	25	25	32
24	1.8	13	19 E	176	95	4590	2620			21	25	29
25	1.8	15	21 E	165	253	3410	1820			20	23	26
26	2.3	16	23 E	271	231	1540	1350			19	22	28
27	1.9	15	24 E	264	92	1060	1210			22	24	26
28	1.2	15	27 E	117	277	1170	1460	6400 E	1900 E	22	24	28
29	0.6	16	30 E	101		1150	1270			24	27	32
30	0.4	15	32 E	207		1270	1240			24	30	26
31	0.3		36 E	114		3660				22	29	
Mean	11.8	7.7	17.7	63.2	145	1412	3545	4956	2397	246	26.5	20.3
Ac-Ft	723	456	1086	3888	8029	86840	210900	304800	142600	15140	1632	1206

E — Estimated NR — No Record

Total Discharge in Acre-Feet 777300

TABLE 168

DAILY MEAN DISCHARGE
MERCED RIVER AT CRESSEY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	83	91	99	247	662	4690	1780	6660	1400	87 E	109
2	135	79	87	103	195	784	6250	1910	5350	1260	85 E	99
3	130	79	83	112	509	780	8800	2630	4690	1030	82 E	96
4	134	80	82	115	607	777	12400	3270	3990	985	79 E	94
5	135	86	96	109	1230	784	12000	3390	3340	993	75 E	94
6	114	83	103	104	452	888	10700	4000	3540	1030	72 E	94
7	101	68	104	101	289	1040	7810	5330	3580	1020	67	97
8	95	68	100	100	238	1050	5510	5150	3580	1010	67	109
9	88	67	98	99	217	1030	2870	5090	2990	899	68	104
10	86	66	100	103	195	930	3420	5470	1940	752	78	82
11	86	67	98	118	169	850	2740	6060	1080	577	83	81
12	83	62	94	142	184	828	2810	6430	495	383	83	81
13	84	65	95	121	394	813	3080	5180	373	264	83	89
14	85	67	96	112	240	809	2800	3660	320	191	91	97
15	89	69	104	107	190	1580	2310	3250	289	141 E	97	96
16	90	69	115	106	174	4420	2480	4180	280	124	110	101
17	82	69	123	103	163	2500	3060	5140	568	120	124	96
18	78	71	141	104	171	1750	3090	6220	3960	113	123	97
19	79	71	135	103	1880	1570	3510	7040	4730	104	124	99
20	77	70	134	103	1450	1770	3710	7040	4850	106	123	91
21	80	71	122	101	540	2180	3670	6940	4490	113	110	85
22	78	72	120	101	358	4920	3850	7040	3960	109	89	87
23	75	73	112	106	294	5590	3960	7130	3860	101	89	90
24	80	77	112	134	260	5400	3570	7110	3980	99	89	106
25	79	80	109	659	473	4480	2420	7040	3740	93	96	115
26	80	81	104	544	802	1900	2070	7010	2590	90	97	115
27	79	78	103	989	432	1580	1580	7020	2350	96	91	115
28	79	79	101	457	260	1190	1950	6970	2420	100 E	83	113
29	80	80	100	251		1520	1810	7040	2320	97 E	82	118
30	79	86	100	370		1540	1760	7020	1720	94 E	90	116
31	84		100	441		3620		6760		90 E	106	
Mean	92.1	73.9	105	207	462	1928	4621	5461	2937	438	91.1	100
Ac-Ft.	5665	4395	6470	12760	25670	118600	275000	335800	174800	26940	5599	5954

E — Estimated NR — No Record

Total Discharge in Acre-Feet 997700

TABLE 169

DAILY MEAN DISCHARGE
MERCED RIVER NEAR STEVINSON

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	310	131	146	161	473	454	4320	2330	6630	1580	230	324
2	295	136	148	161	374	688	5790	2320	6060	1420	222	280
3	339	146	146	163	331	748	6640	2640	5160	1230	242	249
4	308	144	143	172	652	751	8700	3320	4740	1190	242	232
5	305	136	148	175	938	748	11100	3650	3940	1100	234	232
6	295	135	149	172	848	771	10900	3840	3840	1110	236	240
7	249	136	151	168	555	908	9980	4680	3940	1100	228	272
8	220	138	153	166	447	983	7090	5210	3960	1030	214	312
9	204	138	155	163	383	998	4810	5080	3770	989	261	278
10	193	151	153	165	350	938	3540	5200	3090	801	259	318
11	230	141	155	166	318	935	3420	5570	2190	704	255	270
12	232	136	153	184	291	821	3300	6230	1630	565	232	278
13	253	135	149	201	318	798	3320	5800	1270	512	193	291
14	278	138	149	180	421	771	3350	4840	1150	462	184	326
15	234	144	155	170	339	926	3100	3850	1070	368	191	337
16	226	146	158	180	295	2820	2970	3960	986	333	186	295
17	216	153	165	179	270	3590	2960	4720	890	314	251	266
18	179	151	172	173	266	2120	3210	5560	2170	314	264	232
19	160	148	180	173	442	1790	3260	6350	4280	341	257	249
20	153	146	182	173	2180	1760	3440	6660	4720	352	249	284
21	148	148	182	172	965	2230	3450	6630	4640	346	240	324
22	143	153	175	172	649	3270	3440	6630	4190	306	249	333
23	144	153	173	175	526	5260	3490	6820	3910	268	232	335
24	159	155	177	195	447	5480	3450	6850	3980	257	234	344
25	144	156	177	324	403	5120	3050	6880	3960	259	240	295
26	143	155	173	516	640	3800	2680	6850	3290	264	222	314
27	144	146	170	712	676	2380	2440	6780	2500	284	210	289
28	148	141	166	804	512	1910	2230	6760	2500	308	201	282
29	143	141	165	507		1960	2200	6750	2500	274	226	282
30	141	143	163	399		1970	2340	6760	2210	249	295	266
31	138		161	519		2400		6620		247	299	
Mean	209	144	161	256	547	1939	4466	5359	3306	609	235	288
Ac-Ft.	12840	8570	9900	15750	30360	119200	265700	329500	196700	37440	14440	17120

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1058000

TABLE 170

DAILY MEAN DISCHARGE
MERCED RIVER SLOUGH NEAR NEWMAN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	72	798	1.9	0	0
2	0	0	0	0	0	0	0	71	715	0	0	0
3	0	0	0	0	0	0	154	81	509	0	0	0
4	0	0	0	0	0	0	2580	143	403	0	0	0
5	0	0	0	0	0	0	5160	194	308	0	0	0
6	0	0	0	0	0	0	7770	226	276	0	0	0
7	0	0	0	0	0	0	6550	338	290	0	0	0
8	0	0	0	0	0	0	4480	514	298	0	0	0
9	0	0	0	0	0	0	2410	488	290	0	0	0
10	0	0	0	0	0	0	1560	528	197	0	0	0
11	0	0	0	0	0	0	1300	822	88	0	0	0
12	0	0	0	0	0	0	956	1040	26	0	0	0
13	0	0	0	0	0	0	775	850	1.5	0	0	0
14	0	0	0	0	0	0	658	440	0	0	0	0
15	0	0	0	0	0	0	428	231	0	0	0	0
16	0	0	0	0	0	0	324	220	0	0	0	0
17	0	0	0	0	0	0	290	330	0	0	0	0
18	0	0	0	0	0	0	327	581	35	0	0	0
19	0	0	0	0	0	0	319	1030	226	0	0	0
20	0	0	0	0	0	0	357	944	284	0	0	0
21	0	0	0	0	0	0	346	910	275	0	0	0
22	0	0	0	0	0	0	319	900	220	0	0	0
23	0	0	0	0	0	0	325	910	183	0	0	0
24	0	0	0	0	0	0	311	900	190	0	0	0
25	0	0	0	0	0	0	224	880	197	0	0	0
26	0	0	0	0	0	0	133	850	128	0	0	0
27	0	0	0	0	0	0	91	822	41	0	0	0
28	0	0	0	0	0	0	82	814	40	0	0	0
29	0	0	0	0		0	84	814	46	0	0	0
30	0	0	0	0		0	75	822	32	0	0	0
31	0		0	0		0		798		0	0	
Mean	0	0	0	0	0	0	1280	599	203	0.1	0	0
Ac-Ft.	0	0	0	0	0	0	76140	36820	12090	4	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 125100

TABLE 171

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER NEAR NEWMAN

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	470	210	222	295	1670	2960	10400	9450	11000	4980	512	617 E
2	437	210	232	300	1500	2970	11800	9360	10900	3920	500	575 E
3	437	216	261	300	1350	2600	14200	9360	10400	2950	544	557 E
4	419	218	234	308	1570	2210	17100	9700	10100	2430	564	556 E
5	407	210	241	312	2110	1980	19800	9990	9640	2200	564	558 E
6	431	208	250	312	2560	1830	21400	10100	9320	2120	568	568 E
7	401	206	252	322	2550	1850	21000	10400	9350	2050	540	600 E
8	356	206	252	338	2460	1910	19900	10900	9470	1940	520	660 E
9	340	198	254	338	2050	2200	18600	10900	9520	1850	536	691 E
10	320	206	252	340	1670	2200	17200	11000	9150	1590	564	737 E
11	335	202	243	342	1390	1910	16600	11200	8370	1440	544	654 E
12	315	196	241	365	1260	1670	15600	11500	7600	1250	500	656 E
13	325	200	245	407	1190	1550	15000	11500	6960	1100	472	668
14	362	204	245	419	1340	1500	14700	11100	6600	1020	458	709
15	325	208	257	458	1280	1610	13900	10400	6040	902	445	704
16	295	206	270	547	1180	3490	13200	10100	5280	840	445	660
17	298	204	300	578	1090	5840	12600	10400	4400	772	486	604
18	312	204	318	603	1040	5980	12600	10800	4080	722	532	552
19	295	204	359	592	1280	6440	12300	11200	5460	763	528	528
20	259	202	377	586	3210	7080	12200	11600	5760	754	512	536
21	243	218	377	586	3250	7600	12000	11600	5650	776	482	588
22	239	232	350	568	3520	8060	11700	11500	5270	714	508	600
23	239	232	335	561	3400	9490	11500	11400	5210	656	508	660
24	239	222	332	614	2700	10400	11400	11200	5690	620	500	684
25	232	222	328	777	2350	11000	11000	11000	6100	624	504	656
26	234	224	325	1340	2070	10700	10400	10900	5930	616	481 E	636
27	252	216	320	1700	2460	9480	10000	10700	5220	656	471 E	628
28	261	212	318	2080	2820	8690	9760	10600	5240	676	449 E	624
29	245	214	315	2050		8380	9700	10700	5520	628	479 E	616
30	234	222	305	2000		8420	9560	10900	5580	564	563 E	568 E
31	218		295	1780		8680		11000		552	583 E	
Mean	315	211	287	713	2011	5183	13900	10720	7160	1377	512	622
Ac-Ft.	19390	12560	17660	43870	111700	318700	827300	659400	426100	84640	31460	36990

E — Estimated NR — No Record

Total Discharge in Acre-Feet 2590000

TABLE 172

DAILY MEAN DISCHARGE
ORESTIMBA CREEK NEAR NEWMAN

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	14	56	997	28	6.6	1.6	0.1	0
2	0	0	0	0	14	44	1890	26	6.2	1.6	0.1	0
3	0	0	0	0	105	38	3010	23	7.6	1.6	0.1	0
4	0	0	0	0	76	33	842	22	7.4	1.5	0.1	0
5	0	0	0	0	136	29	510	21	7.4	1.4	0.1	0
6	0	0	0	0	81	28	773	20	7.0	1.4	0.1	0
7	0	0	0	0	47	25	551	19	8.2	1.4	0.2	0
8	0	0	0	0	34	22	341	17	8.6	1.4	0.2	0
9	0	0	0	0	29	22	260	16	8.2	1.4	0.2	0
10	0	0	0	0	24	20	210	15	7.8	1.4	0.1	0
11	0	0	0	0	25	20	176	17	7.0	1.2	0.1	0
12	0	0	0	0	52	19	151	16	5.4	1.2	0	0
13	0	0	0	0	78	20	131	14	4.2	1.2	0	0
14	0	0	0	0	44	25	114	14	3.6	1.1	0	0
15	0	0	0	0	32	166	100	13	3.6	1.1	0	0
16	0	0	0	0	27	994	90	12	3.3	1.1	0	0
17	0	0	0	0	23	270	80	11	3.0	1.1	0	0
18	0	0	0	0	95	130	76	10	3.0	1.2	0	0
19	0	0	0	0	1890	81	67	9.0	2.8	1.1	0	0
20	0	0	0	0	465	183	62	9.0	2.8	0.9	0	0
21	0	0	0	0	151	422	56	8.2	2.5	0.9	0	0
22	0	0	0	0	81	639	52	11	2.5	0.8	0	0
23	0	0	0	0	53	265	48	19	2.5	0.7	0	0
24	0	0	0	0	68	173	45	12	2.5	0.6	0	0
25	0	0	0	35	539	115	43	8.2	2.2	0.5	0	0
26	0	0	0	214	201	86	39	6.6	2.2	0.4	0	0
27	0	0	0	90	115	124	38	5.8	2.1	0.3	0	0
28	0	0	0	28	78	127	36	5.4	1.9	0.2	0	0
29	0	0	0	16		90	34	5.8	1.8	0.1	0	0
30	0	0	0	19		103	32	6.2	1.6	0.1	0	0
31	0		0	19		106		5.8		0.1	0	
Mean	0	0	0	13.6	163	144	362	13.7	4.5	1.0	0	0
Ac-Ft	0	0	0	835	9080	8880	21530	845	268	61	3	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 41490

TABLE 173

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER AT GRAYSON

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	735	360	390	480	1680	3610	11100	14900	12300	5940	830	850
2	715	345	375	470	1580	3860	12000	15000	12200	5640	800	825
3	625	340	400	465	1500	3650	15500	14800	12400	4440	845	820
4	680	345	440	460	1410	2750	17000	14700	11900	3440	880	810
5	735	340	475	455	1640	2290	17500	16100	11200	2960	840	765
6	690	330	485	455	2200	1990	20100	15100	11300	2840	845	730
7	680	325	490	460	2550	1810	22300	10800	11300	2900	840	810
8	615	325	485	470	2620	1800	22400	11400	11300	2820	840	890
9	605	325	460	475	2460	1810	21300	12300	11400	2400	875	910
10	615	320	490	480	2080	2070	19800	12600	11400	2420	925	1000
11	680	315	505	480	1670	2140	18800	12800	11200	1980	900	1000
12	675	325	470	475	1450	1830	18200	12700	10500	1800	835	980
13	720	330	455	490	1250	1440	17100	13000	9650	1670	800	990
14	865	360	470	485	1200	1700	16400	13100	9170	1600	765	995
15	830	400	500	510	1380	1700	16000	12700	8360	1450	765	1020
16	690	375	500	555	1310	2370	15400	12000	8730	1340	760	970
17	550	360	510	605	1200	4180	14800	12700	5360	1320	775	895
18	500	350	555	630	1130	5990	14600	11300	4480	1270	840	825
19	490	360	560	650	1750	6720	14600	12600	4500	1240	835	800
20	470	380	580	645	2920	7130	14300	11700	5690	1280	795	790
21	430	380	595	635	3790	8340	13700	12200	6660	1260	760	835
22	405	385	595	635	3800	8490	13400	12400	6910	1160	760	880
23	400	390	560	630	3930	9055	14000	12600	6880	1090	770	950
24	400	370	550	680	3760	7240	12900	12400	6790	1180	790	960
25	395	370	560	765	3420	11100	12800	12300	6870	1180	825	965
26	390	390	540	950	2370	12000	12400	12000	7040	1200	780	955
27	390	390	525	1320	2270	12300	11800	11800	6800	1180	745	945
28	410	385	535	1635	2550	11400	11300	9900	6130	1180	745	955
29	425	370	530	1760		11900	10900	12000	5810	1140	730	940
30	390	380	515	1900		10600	10500	12200	5950	1180	745	880
31	375		500	1810		10800		12400		1040	820	
Mean	567	357	503	739	2174	5616	15420	12730	8674	2049	808	898
Ac-Ft	34860	21260	30940	45450	120700	345300	917600	782800	516100	126000	49710	53460

E — Estimated NR — No Record

Total Discharge in Acre-Feet 3044000

TABLE 174

DAILY MEAN DISCHARGE
TUOLUMNE RIVER ABOVE LA GRANGE DAM, NEAR LA GRANGE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1360	1500	1340	589	766	2460	7100	7300	7200	6240	2240	2300
2	1350	1440	1760	885	559	2420	7240	7340	6950	3460	2240	2300
3	1490	1210	1740	1020	918	2440	7320	7360	6940	3440	2230	2300
4	1560	1600	1770	862	1030	2480	7420	8850	8150	4240	2240	2300
5	1260	1580	1720	705	814	2430	7440	9360	3820	5460	2240	2300
6	914	1580	1780	1380	766	2440	7440	9380	3230	6780	2250	2300
7	1470	1560	1690	1210	803	2480	7370	7260	3230	6830	2250	2300
8	1490	1580	1430	1240	621	2410	7380	5050	3140	3460	2250	2300
9	1560	1380	2040	1260	521	2440	7340	5010	3180	3450	2260	2300
10	1600	1210	1880	1060	709	2470	7300	5040	3230	3450	2260	2310
11	1310	1530	1690	759	730	2500	7280	6590	2900	4200	2210	2310
12	1070	1630	1590	605	843	2400	7270	6770	3270	3600	2260	2300
13	825	1690	1670	984	824	2510	7100	6590	3270	3950	2280	2300
14	1120	1460	1510	993	1040	2480	7060	6590	3250	3870	2280	2290
15	1090	1650	1010	1060	1030	2660	6150	6600	3280	3670	2280	2290
16	1100	1420	1490	1060	1120	4000	6750	6650	3270	3460	2280	2300
17	1100	1260	1380	1200	1240	5480	5700	7990	3750	3290	2280	2300
18	1210	1780	1340	756	1440	5800	4560	8980	5560	3170	2280	2300
19	974	1660	1270	588	1360	6530	5610	9730	9220	2230	2280	2300
20	653	1570	1370	993	1220	6970	7650	9800	11500	2250	2300	2300
21	1260	1500	1440	1070	1260	7320	8000	9840	11600	2190	2300	2290
22	1280	1600	1030	1080	1140	7370	8180	9890	11300	2240	2300	2280
23	1520	1480	1470	1010	1090	7300	8180	9540	10300	2250	2300	2300
24	1340	1310	1390	1170	1480	7300	8190	9200	9570	2240	2300	2300
25	1360	1690	940	738	2140	7250	8200	8770	9200	2240	2300	2300
26	1220	1700	1270	539	2560	7230	8310	8310	7340	2170	2300	2320
27	1140	1630	1540	938	2460	6680	8240	6920	6060	2170	2300	2350
28	1390	1290	1270	796	2420	5610	8300	4750	5540	2200	2310	2340
29	1410	1620	988	834		4030	9080	4040	4390	2220	2320	2340
30	1510	1630	1420	671		3810	8420	4620	4770	2240	2320	2330
31	1370		1270	735		6170		6900		2240	2300	
Mean	1268	1525	1468	929	1175	4383	7386	7452	5947	3384	2275	2305
Ac-Ft.	77960	90720	90240	57100	65260	269500	439500	458200	353900	208100	139900	137200

E — Estimated NR — No Record

Total Discharge in Acre-Feet 2388000

TABLE 175

DAILY MEAN DISCHARGE
TUOLUMNE RIVER AT LA GRANGE BRIDGE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	358	1020	1250	583	622	2480	7090	4150	4090 E	3240	14	14
2	343	965	1750	629	611	2400	7130	4060	3890 E	505	14	106
3	373	821	1720	692	616	2400	7390	4100	3750 E	500	14	98
4	339	1130	1770	650	633	2420	7510	5640	5230 E	1080	14	212
5	338	1090	1730	627	622	2390	7430	6460	1130	2400	14	208
6	234	1090	1800	838	622	2370	7490	6550	505	3700	14	24
7	347	1420	1690	667	627	2410	7280	4440	510	4120	14	18
8	343	1580	1410	676	611	2330	7330	2050	515	884	14	341
9	338	1360	2100	723	515	2350	7260	2050	530	638	14	344
10	1160	1170	1920	644	627	2030	7200	2070	520	541	13	346
11	1030	1590	1650	627	633	1580	7130	3550	403	1160	13	344
12	895	1630	1600	605	644	1090	7030	4000	500	611	14	343
13	703	1690	1700	622	644	1130	6900	3890	414	904	14	347
14	991	1430	1530	638	638	1300	6860	3850 E	357	830	14	22
15	948	1660	1010	602	633	1720	5880	3860 E	349	727	14	359
16	909	1400	1480	650	638	3280	6140	3890 E	340	510	14	515
17	865	1210	1420	638	939	4770	4900	5280 E	487	515	14	520
18	983	1780	1350	616	1480	5380	3370	6350 E	1670	541	14	520
19	1000	1670	1290	541	1570	6140	4090	7200 E	5220	206	14	525
20	696	1590	1390	611	1220	6610	6440	7260 E	7840	20	13	525
21	1010	1520	1460	633	1210	7180	6520	7330 E	8100	19	12	505
22	1060	1590	973	633	1090	7180	6720	7550 E	8100	18	12	530
23	1270	1450	1480	656	1040	7140	6410	7510 E	7090	18	12	520
24	1060	1230	1410	672	1430	7130	5870	7050 E	6340	18	12	530
25	1120	1660	933	627	2080	7140	5590	6750 E	5950	17	12	530
26	934	1680	1260	557	2650	7090	5640	6040 E	4080	16	13	530
27	1090	1600	1550	505	2500	6570	5610	4580 E	2810	16	12	520
28	1060	1190	1270	616	2440	5380	5630	2630 E	2550	16	11	470
29	1000	1580	967	627		3840	6320	1850 E	1200	17	11	432
30	1080	1510	1400	644		3500	5510	2140 E	1500	15	12	541
31	905		1040	622		5870		3840 E		14	13	
Mean	799	1410	1461	635	1057	4019	6389	4773	2866	768	13.2	361
Ac-Ft	49150	83910	89860	39020	58680	247100	380200	293500	170500	47240	811	21500

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1481000

TABLE 176

DAILY MEAN DISCHARGE
TUOLUMNE RIVER AT ROBERTS FERRY BRIDGE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	186	956	1490	824	688	2540	7860	4480	4220	3410	47	43
2	330	984	1720	749	688	2510	7750	4330	4100	820	45	45
3	386	936	1840	805	728	2480	8400	4360	3640	604	45	135
4	336	976	1910	798	791	2530	8380	5520	5260	809	41	181
5	338	1080	1860	756	791	2450	8160	6800	2160	2390	39	274
6	278	1100	1950	880	708	2510	8280	6960	655	3330	39	230
7	300	1290	1880	808	701	2570	7940	5640	623	4220	41	75
8	346	1570	1670	763	688	2510	7940	2370	617	1590	41	227
9	335	1430	2070	805	585	2530	7880	2330	617	819	43	432
10	770	1290	2150	787	662	2350	7800	2340	610	636	43	442
11	1110	1390	1800	722	675	1910	7750	3340	501	1100	39	446
12	888	1610	1780	701	735	1410	7650	4300	591	851	39	445
13	830	1710	1880	681	728	1390	7430	4090	530	995	39	450
14	874	1490	1740	701	722	1490	7410	4060	450	734	43	263
15	968	1640	1380	675	695	1870	6460	4090	444	1020	47	246
16	956	1470	1540	708	695	3610	6730	4120	439	598	47	623
17	867	1350	1600	722	822	4920	5770	5200	487	554	45	623
18	984	1650	1540	708	1490	5730	3760	6390	1440	591	39	629
19	1050	1710	1480	623	2050	6450	4030	7390	4460	420	37	623
20	856	1640	1570	662	1470	6980	6520	7470	7900	83	37	623
21	806	1580	1640	675	1390	7750	7010	7500	8360	53	37	604
22	1070	1670	1370	695	1260	8010	7190	7690	8420	45	39	623
23	1180	1540	1500	695	1210	7840	6940	7820	7670	45	41	617
24	1110	1400	1660	827	1380	7820	6410	7250	6500	43	45	623
25	1030	1620	1260	715	2010	7800	5920	6940	6310	41	37	623
26	955	1740	1230	742	2720	7730	5950	6320	4520	37	33	623
27	1160	1700	1670	612	2570	7430	5950	4940	2880	39	35	610
28	1010	1520	1470	688	2520	5850	5950	3050	2970	39	41	555
29	976	1510	1240	701		4450	6620	1940	1380	45	45	520
30	1050	1660	1410	722		3650	6290	2140	1450	51	43	623
31	937		1400	715		6090		3790		45	45	
Mean	783	1440	1635	731	1149	4360	6938	4999	3007	841	41.2	436
Acr-Ft.	48140	85710	100600	44960	63810	268100	412800	307400	178900	51680	2533	25940

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1591000

TABLE 177

DAILY MEAN DISCHARGE
TUOLUMNE RIVER AT HICKMAN BRIDGE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	137	995	1550	954	776	2600	7520	4380	4160	3650	137	137
2	380	1090	1620	755	786	2570	7390	4240	4140	1330	133	135
3	448	1020	1870	840	813	2550	7900	4250	3490	868	131	189
4	412	1000	1880	835	857	2590	7940	5110	5040	880	127	201
5	416	1170	1910	797	891	2570	7690	6390	2760	2550	123	307
6	400	1170	1920	857	808	2580	7780	6520	813	3320	121	320
7	331	1420	1880	879	797	2630	7470	5780	765	4240	123	177
8	420	1680	1710	808	786	2570	7440	2460	739	2200	121	220
9	410	1550	1940	819	704	2630	7350	2380	739	1050	123	461
10	694	1410	2180	874	739	2530	7320	2390	719	802	121	483
11	1310	1410	1820	786	765	2070	7200	3170	646	1160	123	490
12	1020	1680	1770	765	808	1680	7120	4300	695	1120	115	494
13	1040	1780	1840	749	819	1510	6970	4090	698	1130	113	503
14	962	1620	1740	770	797	1580	6870	4080	621	813	115	442
15	1100	1690	1510	755	776	1920	6120	4080	630	1170	119	265
16	1080	1620	1370	781	781	3450	6380	4110	635	709	117	669
17	1010	1480	1580	802	813	4820	5650	4930	659	645	117	698
18	1080	1580	1540	786	1430	5740	3760	6040	1520	664	111	704
19	1150	1850	1480	724	2120	6270	3750	6920	4230	570	109	704
20	975	1730	1540	729	1580	6710	5930	7020	7690	210	113	704
21	848	1650	1590	755	1450	7400	6570	7050	8290	167	115	693
22	1170	1700	1450	770	1350	7730	6680	7250	8450	155	115	709
23	1200	1630	1380	760	1280	7470	6520	7300	8040	151	119	709
24	1310	1520	1680	914	1360	7470	6090	6810	6780	151	127	719
25	1110	1590	1370	829	1930	7440	5620	6580	6660	146	133	719
26	1080	1730	1130	851	2750	7370	5690	6020	5120	142	119	714
27	1220	1740	1640	770	2610	7250	5670	4870	3390	137	121	714
28	1130	1660	1590	711	2570	5710	5640	3140	3500	142	125	644
29	1060	1430	1330	776		4580	6160	2150	1860	144	131	610
30	1120	1710	1310	819		3640	6120	2190	1800	144	133	719
31	1110		1520	802		5590		3610		140	135	
Mean	875	1512	1634	801	1212	4297	6545	4826	3176	990	122	508
Acr-Ft	53820	89940	100400	49230	67330	264200	389400	296800	189000	60890	7508	30250

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1599000

TABLE 178

DAILY MEAN DISCHARGE
DRY CREEK NEAR MODESTO

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	23	16	17	177	180	1530	110	113	108	79	97
2	57	20	17	19	95	152	2810	104	120	97	76	82
3	56	20	17	18	233	131	3350	92	124	86	84	85
4	56	21	17	19	572	117	2840	101	100	99	91	84
5	59	22	20	17	1620	106	1760	105	98	114	86	91
6	59	24	19	17	523	97	1700	103	118	110	89	100
7	60	24	20	17 E	243	91	1490	104	118	123	81	93
8	63	22	21	17 E	160	89	565	105	119	109	85	98
9	66	22	20	17 E	152	86	353	97	128	89	96	96
10	64	23	19	17 E	124	82	236	127	110	91	88	94
11	62	21	18	17 E	96	78	181	135	105	93	95	97
12	66	21	18	17 E	101	74	150	142	103	96	92	110
13	124	22	33	17 E	890	71	130	133	102	91	84	112
14	273	27	48	19	333	72	112	119	107	113	82	112
15	256	27	44	19	167	225	98	112	110	126	82	110
16	112	22	30	21	117	2930	146	105	100	123	90	114
17	54	20	32	22	90	2240	103	113	93	125	84	121
18	42	19	46	19	87	544	136	126	91	92	89	106
19	38	18	83	17	1720	280	185	117	95	105	75	101
20	35	18	54	16	3240	184	161	104	91	100	88	114
21	29	17	37	14	665	279	162	101	112	96	91	119
22	24	17	32	12	361	2410	134	107	104	95	88	124
23	24	16	28	11	236	1140	123	149	127	90	79	123
24	22	17	25	68	184	844	112	171	120	93	85	130
25	20	17	22	596	753	754	104	143	106	93	91	127
26	20	17	20	430	917	329	108	145	113	91	83	113
27	19	17	21	1420	429	209	97	150	128	87	90	124
28	20	17	20	594	239	199	106	146	104	96	91	129
29	22	17	18	207		158	105	125	102	97	85	134
30	21	17	17	118		127	106	131	107	90	96	119
31	22		17	280		681		113		83	104	
Mean	61.6	20.2	27.4	133	519	483	640	120	109	100	87.1	109
Ac-Ft.	3788	1200	1684	8150	28810	29670	38070	7408	6482	6151	5353	6464

E — Estimated NR — No Record

Total Discharge in Acre-Feet 143200

TABLE 179

DAILY MEAN DISCHARGE
TUOLUMNE RIVER AT MODESTO

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	327	1130	1740	1330	1050	2630	8210	5690	4740	3320	372	390
2	453	1230	1570	892	976	2590	10300	4870	4780	2580	363	345
3	575	1170	1890	952	1060	2540	10400	4790	4230	1140	408	363
4	642	1080	1890	952	1680	2580	11300	4930	5030	1080	390	417
5	622	1320	1950	904	2540	2570	9790	6570	4640	2130	372	499
6	622	1300	1900	858	1550	2560	9440	6980	1330	3230	363	556
7	537	1320	1950	1050	1080	2610	9710	7020	1060	4720	354	490
8	594	1680	1880	916	976	2590	8410	4190	1060	3670	390	435
9	622	1750	1740	916	928	2590	8120	2820	1060	1400	381	604
10	622	1610	2120	964	847	2590	7970	2820	976	1100	408	710
11	1200	1460	1950	892	800	2210	7850	2900	964	1120	381	730
12	1230	1710	1840	869	916	1840	7750	4960	869	1570	363	740
13	1300	1810	1810	836	1730	1530	7640	4680	964	1240	336	740
14	1330	1870	1890	847	1230	1600	7490	4640	869	1230	363	770
15	1490	1700	1810	847	976	2010	7120	4660	847	1430	381	546
16	1320	1820	1380	858	916	5170	6940	4640	803	1100	354	700
17	1210	1650	1730	880	880	7180	6780	4840	781	976	372	952
18	1100	1520	1710	869	1280	6340	5430	6370	1060	928	408	964
19	1200	1910	1660	847	3060	6490	4530	7300	2990	940	345	952
20	1190	1840	1620	770	5340	6920	5940	7550	6920	700	381	952
21	916	1790	1650	814	2140	7650	7320	7600	8170	508	363	964
22	1190	1750	1710	836	1710	9520	7400	5730	8450	435	363	964
23	1230	1790	1380	858	1520	9120	7300	8170	8460	435	363	988
24	1480	1710	1710	988	1430	8400	6930	7840	7360	426	372	1000
25	1240	1570	1660	1530	2060	8340	6360	7690	6990	417	417	988
26	1260	1840	1240	1430	3430	7920	6310	7120	6280	408	363	976
27	1190	1870	1520	2140	3000	7750	6320	6340	4290	399	354	988
28	1330	1800	1730	1550	2670	6850	6290	4740	3850	408	381	976
29	1230	1520	1560	1060		5720	6460	2850	2420	399	372	928
30	1230	1770	1270	988		4420	7000	2570	1980	399	390	928
31	1300		1620	1140		5390		3330		399	408	
Mean	1025	1610	1712	1019	1706	4781	7627	5394	3474	1298	375	752
Ac-Ft	63040	95780	105300	62640	94760	294000	453800	331600	206700	79810	23070	44740

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1855000

TABLE 180

DAILY MEAN DISCHARGE
TUOLUMNE RIVER AT TUOLUMNE CITY

In second-feet

Date	1957			1958								
	Oct	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	380	1140	1600	1380	1060	2910	7900	7220	6680	3700	560	430
2	410	1160	1460	950	920	2910	10000	6680	6860	3640	495	385
3	550	1140	1880	860	920	2760 E	10400	6500	6750	2580	575	370
4	615	1090	1740	875	1360	2580 E	11400	6480	6780	2550	565	420
5	620	1170	1820	865	1940	2340 E	10900	7180	6940	2790	515	455
6	630	1240	1780	800	2020	2170 E	10600	7620	5680	3300	485	550
7	600	1240	1820	915	1260	2050 E	11000	7700	5000	4350	500	580
8	575	1440	1760	865	1060	2040 E	10500	6770	4630	4280	485	480
9	625	1610	1570	840	980	2030 E	10300	6040	4540	2260	490	510
10	645	1520	1930	880	850	2140 E	9990	6000	2640	1690	470	730
11	635	1400	1900	850	835	2050 E	9610	6080	4410	1540	480	780
12	1240	1520	1720	780	845	1700 E	9380	6720	4180	1940	460	790
13	1220	1660	1610	760	1280	1840 E	9170	6940	3870	1600	410	800
14	1300	1740	1740	755	1400	1200 E	8960	6960	3460	1710	480	825
15	1380	1590	1680	755	1000	1320 E	8720	6940	3150	1640	455	710
16	1330	1680	1360	740	880	2420 E	8460	6840	2850	1600	445	590
17	1220	1550	1520	770	830	4920 E	8360	6720	2420	1340	455	955
18	1120	1440	1540	775	1020	5920 E	7850	7240	1860	1250	480	1010
19	1160	1700	1500	750	2020	6500	7340	7830	2960	1230	445	1000
20	1200	1730	1460	680	4920	6780	7610	8200	5760	1120	440	1000
21	1040	1680	1500	710	3150	7230	8300	8340	6900	840	440	1030
22	1060	1610	1540	730	2200	8220	8430	8530	7850	685	425	1020
23	1200	1660	1320	500	1890	9080	8340	8820	7940	635	445	1040
24	1320	1580	1460	855	1720	8550	8150	8800	7380	620	430	1070
25	1260	1450	1510	940	1960	8550 E	7830	8620	6980	610	455	1060
26	1200	1640	1240	1340	3300	8690 E	7700	8360	6740	675	430	1020
27	1150	1720	1280	1720	3290	8780 E	7630	7980	5720	560	400	1040
28	1260	1680	1540	1260	2980	8150	7530	7240	4850	675	425	1060
29	1210	1460	1420	1140		7420	7470	6450	4500	550	430	980
30	1180	1560	1220	980		6580	7690	6080	3560	535	405	955
31	1220		1380	1010		6420		6140		965	460	
Mean	986	1493	1574	904	1712	4685	8916	7226	5127	1724	466	788
Ac-Ft	60620	88850	96790	55600	95080	288100	530500	444300	305000	106000	28630	46910

E — Estimated NR — No Record

Total Discharge in Acre-Feet 2146000

TABLE 181

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER AT HETCH HETCHY AQUEDUCT CROSSING

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1230	1630	2060	1680 E	3360	6030	16400	18100	16000	8720	1420	1570 E
2	1220	1540	1960	1460 E	3160	6140	21800	16300	14300	9170	1480	1510 E
3	1300	1560	2000	1310 E	3000	6100	26700	15600	21400	6740	1410	1540 E
4	1360	1540	2200	1310 E	3300	5930	35500	15400	20800	6000	1250	1540 E
5	1440	1520	2280	1310 E	4160	5620	33700	16200	15800	5880	1350	1400 E
6	1420	1640	2300	1260 E	5070	5580	34200	17900	15600	6020	1420	1400 E
7	1400	1640	2300	1260 E	4460	5240	38100	18900	13300	6550	1450	1510 E
8	1280	1720	2280	1260 E	4280	5230	36800	18600	12300	6790	1420	1570 E
9	1300	1960	2160	1260 E	4140	5300	36600	16500	11700	5600	1520	1570 E
10	1370	1920	2290	1260 E	3660	5460	35900	16300	12100	4520	1620 E	1740 E
11	1630	1830	2440	1350 E	3390	5390	32500	16500	12000	4130	1680 E	1890 E
12	2000	1830	2240	1350 E	2930	4930	31200	10900	11500	4080	1620 E	1960 E
13	2010 E	2010	2180	1350 E	2960	4350	30200	19200	10800	3930	1620 E	1960 E
14	2270 E	2140	2220	1350 E	4000	4500	29300	19800	9580	3770	1360	2130 E
15	2340 E	2090	2240	1350 E	2970	4230	27400	19800	8510	3420	1330	2130 E
16	2160	2100	2060	1460 E	2740	5840	26400	19200	7940	3320	1340	1820 E
17	1960	2140	2000	1510 E	3150	9910	25400	18200	6140	3020	1360	1960 E
18	1760	1920	2140	1570 E	2590	11000	24200	19100	4810	2800	1450	1960 E
19	1720	2000	2130	1510 E	4080	11500	21800	20400	4880	2740	1440	1960 E
20	1760	2180	2110	1510 E	7060	12200	22000	20600	10100	2630	1410	1960 E
21	1630	2120	2120	1450 E	6860	13100	22900	22300	12800	2330	1350	2130 E
22	1500	2120	2160	1400 E	5270	14400	23800	22400	14400	2060	1330	2130 E
23	1660	2110	2120	1400 E	5360	17600	23500	20300	14800	1880	1370	2300 E
24	1720	2060	1970	1450 E	5400	19800	22800	21400	14400	1850	1410	2310
25	1800	1940	2120	1680 E	5310	21200	21800	21400	13300	1720	1410	2260
26	1700	2010	1940	1450 E	5990	23300	20800	18900	13100	1730	1400	2170
27	1660	2140	1810	2670 E	6130	23100	20200	19700	11600	1710	1310	2150
28	1720	2130	2050	3600 E	5900	21700	19000	18300	10600	1690	1310	2170
29	1720	2120	2050	3110 E		19400	18600	18300	9480	1590	1310	2190
30	1660	1920	1880	3110		16200	18600	14900	8610	1540	1310	2010
31	1660		1860	3160		16300		14100		1410	1510 E	
Mean	1657	1919	2118	1683	4310	10860	26600	18230	12090	3850	1418	1897
Ac-Ft	101900	114200	130200	103500	239400	668000	1583000	1121000	719600	236700	87210	112900

E — Estimated NR — No Record

Total Discharge in Acre-Feet 5218000

TABLE 182

DAILY MEAN DISCHARGE
STANISLAUS RIVER BELOW MELONES POWERHOUSE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	555	280	285	770	1120	1680	5820	4040	8230	2600	1600	1470
2	580	20	244	770	908	1620	6430	4490	7660	2300	1600	1450
3	590	20	292	770	1030	1700	11500	5160	7370	2200	1600	1430
4	590	23	247	765	1210	1700	6910	5710	6880	2200	1600	1420
5	595	256	208	765	882	1700	4700	6480	6200	2500	1600	1400
6	615	290	178	765	1160	1120	4700	7000	5900	2500	1600	1390
7	636	291	120	765	1420	102	3800	5600	5900	2500	1600	1380
8	652	815	32	745	1460	29	3280	2990	6100	2400	1600	1360
9	652	820	43	489	1450	29	3210	6720	5700	2400	1600	1350
10	650	820	12	494	1430	29	3120	6670	5200	2200	1600	933
11	640	815	10	750	1420	28	3180	7140	2900	2100	1600	730
12	630	810	10	745	1470	28	3220	6800	2950	1800	1600	730
13	630	810	10	525	1500	28	3100	6890	4340	1750	1600	730
14	576	810	13	152	1500	1050	3120	6960	4130	1750	1600	730
15	127	805	11	58	1500	1440	3230	7390	4400	1750	1600	725
16	750	800	12	145	1500	277	3340	8230	5900	1700	1600	725
17	750	795	11	260	700	1020	3440	8800	6500	1700	1600	720
18	641	790	13	433	20	1670	3920	9400	6000	1700	1600	720
19	275	790	11	84	20	1670	4040	9600	7100	1700	1600	715
20	272	785	11	247	20	1670	4100	9000	6400	1700	1600	685
21	266	987	11	258	407	2260	4440	9100	5300	1700	1630	710
22	264	1370	12	134	956	5840	4480	10100	5300	1700	1610	710
23	273	1230	12	126	1240	4640	4030	9300	5500	1700	1590	710
24	276	1040	11	267	1590	4380	3770	11400	5600	1650	1570	710
25	259	754	12	457	1400	3830	3710	11000	4300	1650	1550	710
26	278	520	61	722	1100	3140	3590	9500	3700	1650	1550	710
27	279	983	316	836	1650	2720	3950	9500	3700	1650	1520	710
28	265	1150	780	1170	1150	2480	4190	9400	3800	1650	1380	710
29	261	287	775	1310		2330	3970	9020	3700	1600	1500	715
30	255	395	770	1060		2720	3740	8520	3000	1600	1480	720
31	266		770	1080		3600		8380		1600	1470	
Mean	463	679	171	578	1115	1824	4268	7751	5322	1923	1576	930
Ac-Ft.	28460	40390	10520	35540	61910	112100	253900	476600	316700	118200	96890	55350

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1607000

TABLE 183

DAILY MEAN DISCHARGE
STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	60	54	32	1050	1710	4800	1720	3810	590	38	37
2	22	63	53	33	470	1720	7280	1040	1840	259	42	42
3	20	62	53	33	798	1380	11500	2610	5630	450	51	48
4	19	58	53	33	1790	1440	11300	3330	5170	301	46	45
5	22	54	62	32	1550	1620	6220	3810	4150	747	42	43
6	24	53	56	32	1330	1680	3950	4630	1340	857	41	48
7	23	48	54	33	1710	1690	3900	5320	3050	857	39	56
8	23	53	56	459	1720	1710	2990	4690	3660	848	41	45
9	22	54	56	607	1710	1700	2850	6680	3470	627	39	37
10	22	56	56	700	1620	1660	3040	6110	3190	216	35	36
11	25	54	58	739	1700	1570	2990	5790	3180	381	34	37
12	25	56	58	898	1840	1590	2900	5710	2750	330	36	41
13	27	60	56	686	1450	1620	3020	4880	2430	158	38	45
14	25	63	56	977	498	1640	2580	5440	2440	136	39	39
15	46	60	63	1310	130	1830	3060	5200	2480	77	38	41
16	67	62	62	1090	258	2360	3160	5910	2610	48	35	42
17	60	62	65	1070	1020	1660	3050	6280	3640	46	38	48
18	88	62	81	945	1110	1460	3170	5710	4480	42	43	46
19	130	60	63	907	1400	1670	3330	5330	4050	48	45	39
20	110	60	51	595	1020	1710	3180	5840	4890	49	41	39
21	116	58	35	401	1520	1900	2950	6130	4710	48	39	41
22	127	58	38	385	1400	3170	2960	5060	3370	49	45	38
23	152	60	51	368	796	4590	2900	4910	3170	43	42	41
24	162	60	44	204	1100	5050	2400	4630	3260	42	38	46
25	162	58	39	110	2390	5780	1950	4010	3530	43	41	37
26	152	56	38	361	1780	4110	1630	4930	2220	45	43	36
27	103	56	37	274	1560	3060	1680	5400	1400	43	46	39
28	90	56	36	92	1440	2390	1900	5430	1880	42	39	37
29	77	56	35	69		994	2120	5940	1870	39	41	34
30	71	54	33	438		1480	2030	6520	1490	39	45	34
31	67		32	759		2140		6340		39	38	
Mean	67.8	57.7	51.1	473	1291	2196	3693	5040	3172	243	40.6	41.2
Ac-Ft.	4169	3435	3142	29100	71720	135000	219800	309900	188800	14950	2495	2454

E — Estimated NR — No Record

Total Discharge in Acre-Feet 985000

TABLE 184

DAILY MEAN DISCHARGE
STANISLAUS RIVER AT RIVERBANK

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	81	115	109	65	1030	1810	4680	1730	5440	920	110	110
2	77	112	108	67	995	1940	7350	1770	1840	376	120	126
3	76	109	108	63	443	1770	10200	2100	5100	567	123	124
4	73	110	108	62	1700	1650	10600	2990	5390	400	115	121
5	72	109	121	59	1750	1760	8120	3260	4670	716	111	126
6	70	106	115	57	1560	1870	4050	4070	2280	992	114	118
7	76	108	108	57	1560	1840	4670	5000	2760	1030	111	124
8	77	108	109	270	1760	1870	3100	4120	3700	1020	123	134
9	76	109	109	560	1750	1850	2940	6020	3670	930	120	128
10	74	109	109	674	1740	1810	3090	6220	3200	385	121	132
11	74	109	109	755	1720	1750	3010	5560	3190	428	111	136
12	74	106	109	824	1910	1730	2820	5660	2910	523	107	136
13	86	109	110	891	1800	1740	3280	4900	2470	296	111	136
14	101	115	110	809	943	1720	2680	5050	2460	261	117	128
15	88	113	119	1150	342	1780	2990	5040	2470	204	126	129
16	115	110	122	1180	212	2520	3080	5360	2490	156	124	131
17	115	110	121	1040	1270	1890	3000	6160	3140	140	118	131
18	124	110	132	862	1310	1610	2960	6890	4530	147	115	121
19	186	110	141	930	1820	1720	3210	7540	3880	132	124	124
20	169	109	112	843	1380	1800	3090	7260	4630	131	124	118
21	173	109	102	432	1850	1810	2980	6710	5110	132	126	112
22	192	109	91	413	1720	2640	2930	7460	3480	124	132	128
23	218	109	95	391	1380	4370	2950	8520	3330	121	132	132
24	229	109	95	261	1110	4720	2620	8230	3170	123	131	137
25	227	110	90	238	2490	5810	2300	9320	3660	115	124	129
26	186	110	88	308	2130	4810	1960	8740	2800	117	120	121
27	146	110	85	496	1940	3290	1710	7740	1460	118	124	118
28	135	110	83	184	1760	3030	1790	7670	1970	115	118	114
29	122	109	81	124		1910	2030	7320	1960	120	118	124
30	119	109	78	124		2010	1960	6560	1820	120	118	131
31	118		76	579		2430		6450		114	111	
Mean	121	110	105	476	1478	2363	3738	5852	3299	357	119	126
Ac-Ft.	7436	6526	6452	29290	82070	145300	222400	359800	196300	21960	7337	7496

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1092000

TABLE 185

DAILY MEAN DISCHARGE
STANISLAUS RIVER AT RIPON

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	193	194	169	143	836	1610	2740	2080	6350	1640	317	321
2	188	190	169	147	1020	1800	4790	1920	4220	1000	314	316
3	194	187	168	143	592	1790	7470	2040	3510	860	312	340
4	194	184	168	141	1140	1560	14200	2740	5350	809	322	333
5	201	184	176	140	1810	1580	13200	3060	5460	831	314	336
6	205	180	180	139	1560	1690	6900	3640	4170	1060	307	304
7	186	178	172	137	1420	1740	5160	4300	2550	1200	306	317
8	188	176	169	141	1680	1740	4500	4620	3690	1150	304	328
9	176	176	168	389	1680	1760	3500	4600	4030	1140	312	372
10	166	176	169	592	1670	1740	3330	5760	3750	790	314	392
11	215	176	169	690	1620	1710	3310	5850	3530	548	309	360
12	209	175	169	717	1710	1650	3070	5720	3430	614	275	381
13	300	175	169	836	1920	1660	3290	5600	2950	556	283	407
14	390	181	169	726	1350	1660	3040	5070	2800	444	299	452
15	297	180	176	925	739	1720	3030	5270	2800	399	314	417
16	228	176	184	1120	470	2150	3160	5250	2820	367	307	335
17	220	172	184	995	705	2200	3190	5660	2940	358	310	295
18	196	174	192	942	1090	1750	3150	6260	3910	353	304	300
19	212	176	223	930	1530	1620	3250	6860	4230	349	300	306
20	249	175	204	915	1740	1710	3310	7500	4300	353	300	309
21	239	172	180	649	1550	1760	3150	7090	4860	356	299	306
22	247	168	169	552	1630	2130	3040	6920	4600	349	309	309
23	263	166	158	518	1500	3270	3070	8260	3790	360	280	304
24	283	164	162	530	1020	4150	2810	9020	3400	335	297	316
25	290	166	160	530	1780	4650	2420	9920	3650	324	309	331
26	285	166	156	405	2150	5110	2040	10700	3590	319	300	321
27	247	164	154	668	1890	4050	1940	8450	2170	331	292	309
28	225	169	150	500	1730	3240	1980	7580	2140	321	285	311
29	212	170	148	338		2100	2150	7400	2220	317	288	329
30	201	169	147	282		1630	2220	6920	2200	316	299	344
31	196		144	470		2090		6530		316	270	
Mean	229	175	170	527	1412	2226	4080	5890	3647	596	302	337
Ac-Ft	14070	10430	10460	32430	78410	136900	242800	362200	217000	36620	18550	20040

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1180000

TABLE 186

DAILY MEAN DISCHARGE
STANISLAUS RIVER NEAR MOUTH

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	287	212	201	160	711						215	324
2	262	216	196	160	985						233	283
3	225	212	187	160	860	1750 E	8050 E	2400 E	5050 E	1050 E	224	289
4	201	207	198	158	854						218	318
5	230	205	205	156	1260						224	307
6	304	201	212	154	1640						189	298
7	300	198	212	154	1490						163	404
8	244	196	205	154		1800 E	6150 E	4400 E	4000 E	1100 E	172	384
9	228	190	196	218							210	378
10	248	183	196	471							301	387
11	333	190	212	602	1700 E						242	372
12	364	174	198	682							207	381
13	367	196	194	758		1750 E	3350 E	5800 E	3150 E	500 E	213	419
14	471	203	194	778							183	508
15	463	203	203	809	1050 E						180	473
16	375	198	203	1020	800 E						227	381
17	307	196	203	1010	650 E						304	268
18	260	194	209	988	950 E	2000 E	3300 E	6100 E	3550 E		310	262
19	241	194	214	931	1300 E						274	318
20	267	205	234	941	1700 E					300 E	245	327
21	277	201	214	850							227	387
22	272	196	201	640							227	345
23	284	192	190	599		2900 E	2800 E	8100 E	4200 E		257	274
24	304	196	176	587							277	310
25	317	192	179	575	1700 E					289 E	271	345
26	317	190	174	530						295 E	242	333
27	300	194	168	587						310 E	233	381
28	264	185	166	584 E		3500 E	2500 E	8650 E	2600 E	298 E	233	384
29	248	201	166	443 E						257	277	345
30	232	196	162	350 E						248	321	316
31	216		160	434						221	321	
Mean	291	197	194	537	1420	2323	4358	5997	3758	576	239	350
Ac-Ft.	17870	11730	11960	33010	78840	142800	259300	368700	223600	35440	14720	20830

E — Estimated NR — No Record

Total Discharge in Acre-Feet 1219000

TABLE 187

DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER NEAR VERNALIS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1550	1950	2410	2260	3690	7500	17500	19400	21800	10700	1430	1760
2	1540	1850	2320	1970	3870	7660	21600	18300	21900	10600	1410	1690
3	1570	1870	2270	1700	3710	7720	27200	17600	20100	8440	1420	1670
4	1590	1830	2550	1700	3690	7360	34700	17600	20500	6710	1590	1700
5	1740	1790	2670	1680	5010	6960	40900	18200	21300	5830	1540	1690
6	1700	1930	2740	1620	6250	6750	39000	19500	20300	6530	1470	1670
7	1780	1940	2730	1630	5640	6640	40200	20600	16900	7330	1440	1850
8	1590	2010	2730	1690	5410	6600	40600	21100	15700	7850	1470	1950
9	1590	2280	2600	1690	5400	6590	40900	19800	15800	6330	1590	1990
10	1700	2300	2620	1950	5080	6700	38400	19600	15700	4870	1680	2180
11	2030	2190	2900	2140	4650	6700	35200	20300	15200	4080	1750	2290
12	2560	2120	2700	2160	4430	6190	32600	20900	14800	3960	1650	2370
13	2610	2340	2580	2220	4560	5590	31200	21900	13900	3850	1560	2410
14	2940	2500	2610	2270	4920	5280	29200	22100	12800	3610	1470	2550
15	3020	2500	2670	2260	3960	5420	27800	22000	12000	3270	1440	2570
16	2880	2460	2530	2570	3300	6660	26600	21700	11400	3150	1450	2260
17	2460	2430	2320	2700	3020	11000	25600	21300	10500	2810	1520	2260
18	2150	2260	2560	2720	3470	12800	24700	21500	10200	2640	1630	2290
19	2040	2290	2560	2650	4640	13000	23600	22600	10900	2490	1600	2320
20	2110	2570	2550	2620	8120	13700	22900	24100	12900	2450	1540	2300
21	2000	2510	2520	2490	8760	14600	23200	25200	15900	2330	1490	2420
22	1820	2440	2540	2220	7510	15700	23600	25700	17500	2070	1470	2450
23	2030	2460	2440	2170	6940	18300	23400	26600	17700	1900	1520	2540
24	2110	2430	2260	2260	6450	21000	23100	28300	17300	1790	1570	2640
25	2250	2290	2480	2500	6250	22400	22400	28600	16800	1710	1590	2650
26	2130	2300	2320	2950	7750	23600	21500	29100	16700	1690	1590	2560
27	2090	2500	2080	3340	8020	24000	20700	27000	15500	1660	1500	2570
28	2070	2480	2330	4270	7650	22900	20100	25500	13100	1650	1480	2590
29	2090	2420	2420	3780		20900	19700	24300	12200	1590	1520	2610
30	2000	2210	2200	3470		18200	19500	22800	11200	1510	1550	2470
31	1990		2100	3390		16500		21800		1450	1670	
Mean	2056	2248	2494	2421	5434	12090	27920	22420	15620	4092	1535	2242
Ac-Ft	126400	133800	153300	148800	301800	743600	1661000	1379000	929300	251600	94410	133400

E — Estimated NR — No Record

Total Discharge in Acre-Feet 6056000

TABLE 188

DAILY MEAN DISCHARGE
DUCK CREEK DIVERSION NEAR FARMINGTON

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	412	0	0	0	0	0
2	0	0	0	0	0	0	551	0	0	0	0	0
3	0	0	0	0	106	0	892	0	0	0	0	0
4	0	0	0	0	70	0	96	0	0	0	0	0
5	0	0	0	0	8	0	49	0	0	0	0	0
6	0	0	0	0	0	0	202	0	0	0	0	0
7	0	0	0	0	97	0	0	0	0	0	0	0
8	0	0	0	0	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	1	0	0	0	0	0	0	0	0
12	0	0	0	0	315	0	0	0	0	0	0	0
13	0	0	0	0	8	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	2	0	0	0	0	0	0
16	0	0	0	0	0	215	0	0	0	0	0	0
17	0	0	0	0	0	2	0	0	0	0	0	0
18	0	0	0	0	61	0	0	0	0	0	0	0
19	0	0	0	0	491	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	200	0	0	0	0	0	0
22	0	0	0	0	0	328	0	0	0	0	0	0
23	0	0	0	0	0	7	0	0	0	0	0	0
24	0	0	0	83	3	104	0	0	0	0	0	0
25	0	0	0	3	178	0	0	0	0	0	0	0
26	0	0	0	306	17	0	0	0	0	0	0	0
27	0	0	0	19	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	3		69	0	0	0	0	0	0
31	0		0	0		8		0		0	0	
Mean	0	0	0	14	48	30	73	0	0	0	0	0
Ac-Ft.	0	0	0	823	2688	1855	4368	0	0	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 9734

TABLE 189

DAILY MEAN DISCHARGE
LITTLEJOHNS CREEK AT FARMINGTON

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	0	0	0	196	238	926	21	23	1	2	56
2	1	0	0	0	84	200	1490	20	23	1	3	62
3	1	0	0	0	876	119	1850	22	22	1	4	56
4	1	0	0	0	1130	98	1650	22	12	1	0	53
5	1	0	0	0	1200	83	1830	18	12	1	0	55
6	1	0	0	0	1050	75	1780	16	8	1	1	56
7	1	0	0	0	555	64	1830	17	11	1	7	52
8	0.5	0	0	0	614	59	1830	19	12	1	7	50
9	0.4	0	0	0	262	53	1830	16	7	1	8	45
10	0.3	0	0	0	230	50	1840	15	7	1	5	51
11	0	0	0	6	151	46	1830	15	8	1	4	54
12	0	0	0	10	721	43	1830	12	10	1	4	50
13	0.3	0	0	4	1330	39	1810	10	14	1	8	36
14	1	0	0	2	958	38	1640	12	10	1	12	24
15	3	0	0	1	265	89	1760	13	8	1	10	23
16	2	0	0	0	247	480	1510	13	7	1	8	30
17	1	0	0	0	175	961	561	10	5	1	7	26
18	1	0	0	0	184	1580	255	14	4	1	8	18
19	1	0	0	0	1040	320	220	15	5	1	10	20
20	1	0	0	0	1400	224	87	16	4	1	13	21
21	1	0	0	0	1570	337	64	16	3	1	12	20
22	1	0	0	0	1380	1150	54	19	2	2	28	21
23	1	0	0	0	405	1560	50	27	3	1	29	20
24	0.5	0	0	210	241	1370	55	24	2	1	23	20
25	0.4	0	0	304	814	1700	42	39	2	1	18	18
26	0	0	0	731	1470	1390	33	39	3	1	26	13
27	0	0	0	826	887	297	27	33	1	1	76	12
28	0	0	0	1500	254	247	24	28	1	2	45	13
29	0	0	0	499		237	23	26	1	4	38	12
30	0	0	0	212		265	22	24	2	3	38	9
31	0		0	238		243		23		4	47	
Mean	0.8	0	0	146	704	441	958	20	7.7	1.3	16	33
Ac-Ft	46	0	0	9003	39080	27140	57030	1218	460	81	994	1976

E — Estimated NR — No Record

Total Discharge in Acre-Feet 137000

TABLE 190

DAILY MEAN DISCHARGE
FRENCH CAMP SLOUGH NEAR FRENCH CAMP

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23 E	1.0	0.7	0	243	311	820	51	75e	48	26	41
2	29 E	1.6	1.6	0.3	160	277	1550	85	85	40	30	45
3	24	3.2	1.4	1.8	494	185	2170	82	63	31	39	63
4	17	2.7	1.4	4.0	1190	131	2080	87	515	51	34	71
5	14	1.4	0.5	4.4	1160	108	2330	71	1380	47	30	85
6	14	1.1	0.2	1.3	1250	94	2320	58	814	50	37	92
7	21	0.9	0.7	0.3	531	81	2320	70	67	50	32	88
8	22	1.1	0.3	1.0	865	71	2200	68	72	35	24	98
9	21	1.0	0.1	0.9	344	64	1980	81	77	25	12	92
10	20	0.4	0.2	1.3	296	59	1810	64	64	43	36	77
11	26	0.6	0	34	219	56	1720	65	62	40	21	83
12	30	1.8	0	57	454	53	1710	71	58	22	22 E	84
13	29	0.7	0	31	1340	51	1680	59	80	31	26 E	82
14	43	0.7	0	17	1440	46	1510	57	80	47	24 E	82
15	80	0.9	0.1	11	409	51	1570	62	80	58	29 E	83
16	42	0.6	0.6	9.1	324	551	1550	41	82	53	36 E	100
17	22	0.1	18	9.1	261	898	755	39	66	44	30 E	89
18	13	0	49	7.3	162	1730	317	57	56	43	28 E	66
19	9.3	0.2	53	5.0	947	737	267	57	46	46	26 E	63
20	5.6	0.5	30	4.0	1550	324	143	63	37	56	33	57
21	3.3	0	13	3.8	1830	290	73	66	44	45	30	69
22	1.8	0.2	8.2	3.5	1660	1200	71	79	55	40	20	62
23	1.0	0.6	5.7	6.1	808	1740	89	137	45	58	37	74
24	19 E	0.7	4.0	29	346	1490	81	121	43	50	43	59
25	1.8E	0.6	2.9	444	682	1800	77	86	43	51	41	74
26	1.4	0.7	1.8	685	1500	1390	74	95	40	33	49	93
27	1.4	0.2	0.6	811	1390	576	74	64	42	31	53	69
28	1.3	0.1	0.2	1430	362	300	75	72	21	37	66	72
29	2.5	0	0	889		283	65	80	34	27	52	76
30	0.5	0.1	0.3	259		273	60	62	43	24	48	72
31	1.1		0	287		309		63		23	56	
Mean	17.4	0.8	6.3	163	793	501	1051	71.4	142	41.3	34.5	75.4
Ac-Ft	1071	47	386	10010	44070	30800	62560	4389	8467	2537	2122	4485

E — Estimated NR — No Record

Total Discharge in Acre-Feet 170900

TABLE 191

DAILY MEAN DISCHARGE
DUCK CREEK AT FARMINGTON

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1E	0	0									
2	0.1E	0	0									
3	0.1E	0	0									
4	0.1E	0	0									
5	0.1E	0	0									
6	0.1E	0	0									
7	0.1E	0	0									
8	0.1E	0	0									
9	0	0	0									
10	0	0	0									
11	0	0	0									
12	0	0	0									
13	0.3E	0	0									
14	0.1E	0	0									
15	0.1E	0	0									
16	0	0	0.4E									
17	0	0	0.3E									
18	0	0	1.4E									
19	0	0	11 E									
20	0	0	12 E									
21	0	0	10 E									
22	0	0	8.4E									
23	0	0	7.2E									
24	0	0	5.7E									
25	0	0	3.7E									
26	0	0	2.4E									
27	0	0	1.3E									
28	0	0	0.6E									
29	0	0	0.2E									
30	0	0	0 E									
31	0		0									
Mean	0.0	0	2.1									
Ac-Ft	3	0	128									

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 192

DAILY MEAN DISCHARGE
DUCK CREEK NEAR STOCKTOH

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0 E	0	0	0	23	9.1	114	0	0	0.4	0.7	2.6
2	0 E	0	0	0	16	6.3	244	0	1.2	0.1	1.0	2.7
3	0 E	0	0	0	13	4.3	300	0 E	1.8	0.7	1.2	1.3
4	0 E	0	0	0	56	3.8	329	0.7E	0.9	2.8	0.8	1.2
5	0.1E	0	0	0	78	2.3	217	1.4E	0.6	1.3	0.5	0.4
6	0.5E	0	0	0	40	1.2	105	2.1E	1.1	0.7	1.0	0.8
7	0.1E	0	0	0	20	0.7	86	2.8E	1.4	0.2	1.0	1.6
8	0 E	0	0	0	53	0.4	25	3.5	1.4	1.1	2.0	1.6
9	0 E	0	0	0	26	0.2	12	3.4	1.0	0.5	2.1	1.6
10	0.6E	0	0	0	13	0	8.3	2.9	2.0	0	1.3	1.1
11	1.1E	0	0	0	9.1	0	6.0	4.0	2.5	0	1.1	1.3
12	0.8E	0	0	0	8.0	0	4.6	3.7	2.0	0	0.9	0.2
13	0.8E	0	0	12	111	0	2.7	3.1	2.8	2.3	1.2	0
14	1.3E	0	0	8.5	49	0	1.5	1.9	3.1	2.6	0.7	0.2
15	0.8E	0	0	5.4	13	0	0.9	1.6	2.0	3.2	0	0.2
16	0.3E	0	0	2.6	8.5	3.0	1.0	2.2	0.6	3.3	1.2	0.2
17	2.3E	0	0	1.3	5.8	82	0.6	1.1	1.3	2.0	1.3	0
18	1.3E	0	0	0.7	5.0	22	0.3	2.6	1.2	1.0	1.1	0.2
19	0.4E	0	0	0.4	60	11	0	3.1	0.9	1.1	1.0	1.4
20	0.1E	0	0	0.2	193 E	7.5	0	4.3	1.4	1.4	0.4	1.3
21	0 E	0	0	0.2	36 E	9.5	0	4.1	1.0	1.0	0.9	0
22	0	0	0	0.4	8.0E	111	0	3.8	1.9	0.9	0.8	0
23	0	0	0	1.5	7.9E	144	0	4.1	2.4	1.4	0.7	0
24	0	0	0	2.6	8.2E	64	0	4.1	2.8	1.1	1.4	0.5
25	0	0	0	23	36	52	0	5.7	2.8	0.7	1.2	0.8
26	0	0	0	48	114	15	0	4.0	1.8	1.8	0.7	1.0
27	0	0	0	113	41	11	0	2.5	1.1	1.5	0.8	2.2
28	0	0	0	56	13	7.4	0	1.6	0.4	1.4	2.3	1.6
29	0	0	0	24		6.8	0	1.6	0.4	1.5	2.0	0.3
30	0	0	0	15		8.1	0	1.3	0.1	2.2	2.8	0.4
31	0		0	21		50		0.5		1.1	2.4	
Mean	0.3	0	0	10.8	38.0	20.4	47.0	2.5	1.5	1.3	1.2	0.9
Acr-Ft.	21	0	0	666	2111	1255	2892	154	87	78	72	53

E — Estimated NR — No Record

Total Discharge in Acre-Feet 7389

TABLE 193

DAILY MEAN DISCHARGE
CALAVERAS RIVER AT JENNY LIND

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	0	5.0	13	33	519	1070	5200	188	151	202	210	175
2	0	5.4	13	36	356	484	6990	195	155	202	210	173
3	0	5.8	13	44	2270	86	10700	195	171	202	208	171
4	0	6.2	14	51	2500	67	9070	198	167	202	208	167
5	0	5.8	15	44	2940	20	7640	200	163	200	202	167
6	0	5.8	16	39	2050	18	7910	200	159	198	202	165
7	0	6.2	16	36	1020	18	7300	200	173	198	200	163
8	0	6.6	16	34	1030	19	6670	200	190	198	198	159
9	0	7.0	19	32	785	19	5240	200	185	192	198	157
10	0	8.2	21	62	675	19	3380	200	181	192	195	147
11	0	9.5	19	198	685	19	3210	200	192	192	195	139
12	0	9.5	17	190	1530	19	1610	200	205	190	192	135
13	0	10	16	134	2660	20	89	202	215	192	190	129
14	0	14	15	110	1590	22	84	202	210	195	188	123
15	0	19	19	96	737	50	82	200	202	192	195	139
16	0	34	32	80	491	416	82	198	198	192	202	163
17	0	28	140	69	279	124	81	198	192	190	200	157
18	0	23	231	60	59	78	81	192	190	195	200	131
19	0	20	357	54	394	73	77	188	188	210	200	111
20	0.3	19	172	49	147	196	79	184	192	215	198	77
21	2.5	18	109	44	298	844	81	179	200	228	195	5:
22	2.8	18	98	42	378	1220	92	181	198	225	195	37
23	3.1	16	141	38	392	2390	107	184	198	215	200	27
24	3.7	16	109	96	845	2590	125	181	195	198	198	19
25	4.6	16	77	477	3260	2340	141	179	195	198	192	14
26	5.8	16	60	1600	3030	2280	151	173	192	195	190	10
27	6.2	15	49	2960	2340	2200	161	169	198	192	185	8.5
28	6.2	14	44	1480	1740	2120	169	165	205	200	185	7.4
29	5.8	14	39	439		2020	179	163	205	218	184	6.4
30	5.0	14	37	824		2280	185	161	205	218	181	5.8
31	5.0		35	1050		2560		155		212	179	
Mean	1.6	13.5	63.6	339	1250	828	2566	188	189	202	196	105
Acr-Ft	101	803	3910	20830	69420	50940	152700	11560	11250	12390	12050	6220

E — Estimated NR — No Record

Total Discharge in Acre-Feet 352200

TABLE 194

DAILY MEAN DISCHARGE
CALAVERAS RIVER AT BELLOTA

In second-feet

Date	1957			1958									
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	0	0	0.6	5.1E	139	178	475 E	1.2	NR	133	124	101
2	0	0	0.6	5.1E	118	142	400 E	1.1	NR	133	123	101
3	0	0	0.6	5.0E	236	90	NR	1.2	NR	133	122	100
4	0	0	0.6	4.8E	278	57	734 E	1.3	107 E	133	123	103
5	0	0	0.9	4.7E	285	12	NR	1.3	107	133	121	106
6	0	0	1.0	4.6E	250	11	NR	1.3	106	132	116	107
7	0	0	0.9	3.9	199	11	NR	1.2	106	132	115	109
8	0	0	0.9	3.2	183	7.3	375 E	1.2	121	130	118	111
9	0	0	0.9	2.9	165	2.5	NR	1.1	118	130	118	110
10	0	0	0.8	2.6	150	2.4	NR	2.4	112	130	117	112
11	0	0	0.9	34	151	2.0	NR	NR	124	128	115	105 E
12	0	0	0.9	58	NR	1.1	NR	NR	138	124	109	100 E
13	0	0	0.9	55	NR	1.0	NR	NR	146	127	107	92 E
14	0	0	1.0	52	NR	1.0	NR	NR	146	128	105	86 E
15	0	0	1.0	51	NR	1.3	NR	NR	150	123	108	86 E
16	0	0	1.3	49	NR	137	NR	NR	141	120	112	98 E
17	0	0	18	34	NR	112	NR	NR	130	121	114	94 E
18	0	0	61	24	86	89	NR	NR	123	117	108	50 E
19	0	0	96	24	196	62	NR	NR	121	130	102	20 E
20	0	0	93	23	104	11	NR	NR	121	135	104	19 E
21	0	0.8	81	16	99	185	1.6E	NR	131	133	97	17 E
22	0	1.1	74	11	105	292	1.5	NR	130	134	99	6.0E
23	0	1.0	80	11	105	272	1.3	NR	124	133	100	0
24	0	0.8	75	50	130	306	1.2	NR	124	122	106	0
25	0	0.7	66	100	305	271	1.2	NR	124	120	109	0
26	0	0.6	46	171	279	262	1.1	NR	126	121	105	0
27	0	0.6	36	244	244	255	1.3	NR	123	120	103	0
28	0	0.6	35	190	216	247	1.1	NR	129	117	100	0
29	0	0.6	33	125		241	1.1	NR	131	127	96	0
30	0	0.6	33	141		283	1.2	NR	133	127	99	0
31	0		14 E	179		262		NR		125	99	
Mean	0	0.2	27.6	54.3		122				127	109	61.1
Ac-Ft	0	15	1695	3340		7530				7837	6732	3636

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 195

DAILY MEAN DISCHARGE
CALAVERAS RIVER NEAR STOCKTON

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	2.4	142	159	365	0	38	14	30	34
2	0	0	0	0	102	136	464	0	40	20	23	22
3	0	0	0	0	119	101	598	0	36	28	32	18
4	0	0	0	0	213	84	647	0	31	36	31	17
5	0	0	0	0	222	33	436	0	33	35	27	28
6	0	0	0	0	220	4.7	359	0	31	39	30	33
7	0	0	0	0	191	1.9	295	0	9.8	38	33	40
8	0	0	0	0	175	0.3	285	0	18	40	31	45
9	0	0	0	0	155	0	306	0	21	41	18	33
10	0	0	0	0	134	0	266	0	3.9	45	30	29
11	0	0	0	0	131	0	244	0	0	47	32	26
12	0	0	0	9.5	148	0	237	0	9.8	41	25	26
13	0	0	0	35	228	0	132	0	31	40	21	28
14	0	0	0	34	182	0	79	0	45	44	18	23
15	0	0	0	33	137	0	11	0	51	37	17	22
16	0	0	0	32	107	0	0.3	0	49	32	15	25
17	0	0	0	30	93	103	0	6.9	38	36	23	34
18	0	0	0	14	76	107	0	62	27	27	30	38
19	0	0	0	7.4	184	89	0	61	19	19	23	2.0
20	0	0	36	6.7	189	24	0	56	10	38	21	0
21	0	0	54	6.2	88	76	0	55	26	39	27	0
22	0	0	50	1.8	83	462	0	59	41	17	18	0
23	0	0	50	0.2	82	216	0	57	32	32	22	0
24	0	0	61	0.4	82	216	0	56	24	31	28	0
25	0	0	55	45	239	206	0	58	26	16	32	0
26	0	0	49	92	254	187	0	56	23	14	30	0
27	0	0	26	173	206 E	182	0	56	14	26	30	0
28	0	0	21	189	181	178	0	50	18	24	30	0
29	0	0	20	147		179	0	47	32	15	33	0
30	0	0	19	103		188	0	41	22	20	26	0
31	0		18	150		238		39		26	33	
Mean	0	0	14.8	35.9	156	102	157	24.5	26.6	30.9	26.4	17.1
Ac-Ft.	0	0	910	2205	8654	6289	9371	1507	1586	1898	1624	1018

E — Estimated NR — No Record

Total Discharge in Acre-Feet 35060

TABLE 196

DAILY MEAN DISCHARGE
MORMON SLOUGH AT BELLOTA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	0	0	11	31	479	1040	5520	135	60	66	65	41
2	0	0	12	33	276	576	6640	141	53	68	65	39
3	0	0	13	35	1660	64	11700 E	148	70	67	66	37
4	0	0	16	42	2180	55	9300	154	75	67	63	38
5	0	0	14	42	2290	53	6930	158	70	66	60	39
6	0	0	10	37	1770	33	7730	161	67	66	63	38
7	0	0	7.2	35	1100	28	6870	161	66	66	61	38
8	0	0	9.2	31	922	28	6240	161	101	62	61	39
9	0	0	8.2	29	714	29	5450	161	94	61	60	36
10	0	0	7.2	58	531	28	3630	158	78	61	60	35
11	0	0	8.2	116	567	24	3400	161	72	59	57	27
12	0	0	8.2	144	1520	26	2340	116	73	56	51	20
13	0	0	7.2	92 E	2310	24	165	73	84	57	52	17
14	0	0	7.2	79 E	1560	28	131	100	88	60	49	13
15	0	0	10	66 E	721	67	141	104	96	53	50	12
16	0	0	17	55 E	435	995	119	80	88	49	54	31
17	0	0	37	44 E	290	210	103	79	77	50	53	26
18	0	0	125	38	124	60	89	92	63	46	46	58
19	0	0	238	29	1110	57	76	92	60	60	34	84
20	0	0	131	26	234	156	66	88	56	68	36	58
21	0	0	53	29	214	1360	57	80	66	65	28	36
22	0	2.2	23	35	276	2120	60	88	67	66	28	113
23	0	3.4	50	35	294	2130	53	97	57	66	34	103
24	0	3.4	53	130	495	2630	69	92	63	52	43	55
25	0	4.3	24	386	2980	2120	74	82	61	50	44	31
26	0	5.3	20	1410	2730	1990 E	92	78	61	49	39	20
27	0	6.2	20	2780	2150	1950	103	75	59	48	35	10
28	0	7.2	13	1580	1640	1900	116	70	69	41	37	3.9
29	0	7.2	10	441		1850	125	73	72	60	39	3.0
30	0	10	7.2	581		2480	131	68	70	63	42	2.2
31	0		17	945		2330		63		68	40	
Mean	0	1.6	31.8	304	1128	853	2584	109	71.2	59.2	48.9	36.8
Ac-Ft	0	98	1957	18670	62620	52440	153800	6722	4237	3642	3005	2188

E — Estimated NR — No Record

Total Discharge in Acre-Feet 309400

TABLE 197

DAILY MEAN DISCHARGE
STOCKTON DIVERTING CANAL AT STOCKTON

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	631	1060	5590	134	17	9.9	21	32
2	0	0	0	8.2	331	635	5960	138	15	12	15	24
3	0	0	0	16	1440	103	NR	146	11	11	18	19
4	0	0	0	17	2570	41	NR	150	16	13	20	14
5	0	0	0	24	2710	57	NR	154	15	15	14	9.2
6	0	0	0	23	2180	34	NR	157	13	15	13	6.4
7	0	0	0	19	1380	24	7020 E	158	9.6	18	23	9.2
8	0	0	0	16	1140	20	6230	155	14	11	21	14
9	0	0	0	13	867	21	5460	152	32	9.6	17	6.6
10	0	0	0	15	600	21	3060	149	12	13	20	5.1
11	0	0	0	76	623	20	2820	155	8.8	11	15	2.4
12	0	0	0	122	1470	18	2280	146	9.2	13	7.8	1.8
13	0	0	0	103	3040	19	172	93	11	15	5.3	1.2
14	0	0	0	55	2010	19	90	42	9.6	20	2.7	0
15	0	0	0	36	917	24	89	70	0.3	11	1.6	2.2
16	0	0	0	22	527	1000	85	63	2.8	9.9	3.8	2.4
17	0	0	0	11	403	645	80	34	1.1	8.8	16	27
18	0	0	4	15	124	150	77	41	10	9.2	23	21
19	0	0	161	12	1330	64	74	42	14	8.8	19	104
20	0	0	168	6.6	662	96	70	34	14	27	10	101
21	0	0	68	3.6	240	902	67	30	10	30	7.4	65
22	0	0	27	4.0	254	3470	66	34	14	25	3.6	39
23	0	0	[illegible]	4.6	266	2230	68	42	15	26	0	27
24	0	0	46	12	269	2850	65	39	8.1	20	5.9	16
25	0	0	25	18	3020	2160	78	39	10	15	19	8.1
26	0	0	7.1	942	2150	1900	87	33	8.5	12	15	1.4
27	0	0	1.7	2710	2250	1780	99	28	11	13	11	0
28	0	0	4.0	1940	1660	1690	113	23	10	18	6.4	0
29	0	0	0.4	635		1590	122	24	19	6.9	6.6	0
30	0	0	0	462		2100	131	24	22	20	14	0
31	0		0	1110		2280		20		34	24	
Mean	0	[illegible]	17.[illegible]	[illegible]1	1148	872		82.2	12.1	15.5	12.9	18.6
Ac-Ft	0	0	107[illegible]	17380	71530	54000		5056	720	954	792	1109

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 198

DAILY MEAN DISCHARGE
BEAR CREEK NEAR LINCOLN

In second-feet

Date	1957			1958								
	Oct	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	0	0	0	0.2	10	16	846	0.2	0.1	0	0.3	0
2	0	0	0	1.0	31	12	810	0.3	0.1	0.1	0.3	0
3	0	0	0	0.9	140	9.3	2090	0.1	0.1	0.1	0.2	0
4	0	0	0	0.4	75	7.4	773	0	0.1	0.1	0.1	0
5	0.1	0	0	0.4	162	6.2	167	0	0.1	0.1	0	0.1
6	0.1	0	0	0.4	48	5.6	541	0	0.2	0.1	0	0.1
7	0.1	0	0	0.4	101	4.7	143	0	0.1	0	0	0.1
8	0.1	0	0	0.3	59	4.6	70	0	0.1	0	0	0
9	0	0	0	0.4	2.0	4.6	45	0	0.1	0.2	0	0
10	0	0	0	6.0	22	4.2	31	16	0.1	0.3	0.1	0
11	0.1	0	0	15	16	3.9	23	18	0.1	0.3	0.1	0
12	0.2	0	0	2.8	406	3.8	17	8.2	0.1	0.4	0	0.1
13	0.3	0	0	1.4	155	3.8	12	4.7	0.2	0.1	0.1	0.1
14	0.5	0	0	0.8	38	4.7	8.7	2.7	0.2	0.1	0.1	0.1
15	0.4	1.2	0	0.5	20	35	7.6	1.4	0.1	0	0.2	0.1
16	0.3	0.4	2.7	0.5	13	612	6.3	1.0	0.1	0.1	0.2	0
17	0.2	0.3	2.4	0.4	9.3	159	5.5	0.5	0.4	0.1	0.1	0
18	0.2	0.2	3.0	0.4	75	41	5.2	0.8	0.3	0.1	0.1	0.1
19	0.2	0.2	1.2	0.3	541	22	5.0	0.8	0.3	0.2	0.1	0.1
20	0.2	0.2	0.5	0.2	134	31	4.2	0.3	0.2	0.1	0.1	0.1
21	0.2	0.2	0.5	0.2	42	760	3.7	0.2	0	0.1	0.1	0.1
22	0.2	0.1	0.4	0.2	24	1290	3.0	0.3	0	0.1	0	0.1
23	0.2	0.1	0.4	0.3	16	344	2.2	0.4	0	0.2	0	0.3
24	0.2	0.1	0.4	35	80	276	1.7	0.4	0.1	0.2	0	0.2
25	0.2	0	0.3	69	438	98	1.4	0.2	0.1	0.1	0	0.3
26	0.1	0	0.3	276	134	50	1.2	0.2	0.1	0.1	0	0.2
27	0.1	0	0.3	95	42	36	0.8	0.2	0.2	0.1	0	0.1
28	0	0	0.3	22	24	28	0.2	0.3	0.2	0.2	0	0.1
29	0	0	0.2	15		29	0.1	0.1	0.1	0.2	0	0.1
30	0	0	0.2	92		248	0.3	0.1	0.1	0.2	0	0
31	0		0.2	28		145		0.1		0.1	0	
Mean	0.1	0.1	0.4	21.5	102	139	188	1.8	0.1	0.1	0.1	0.1
Ac-Ft.	8	6	26	1320	5670	8520	11160	114	8	8	4	5

E — Estimated NR — No Record

Total Discharge in Acre-Feet 26850

TABLE 199

DAILY MEAN DISCHARGE
DELTA-MENDOTA CANAL NEAR TRACY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1890	537	320	0	70	0	0	363	548	1750	3210	2530
2	1890	537	320	0	217	70	0	450	548	2030	3220	2330
3	1860	394	212	0	0	145	0	436	512	2640	3380	1880
4	1790	393	212	0	0	0	0	581	511	2670	3380	1880
5	1790	393	212	0	0	134	0	586	511	2540	3440	1810
6	1730	393	212	0	0	1690	0	593	474	2540	3470	1670
7	1720	393	176	0	0	1280	0	518	472	2530	3480	1670
8	1620	392	176	0	71	250	0	515	471	2530	3480	1540
9	1470	392	176	72	217	470	0	509	469	2630	3420	999
10	1370	392	142	251	0	469	0	472	470	2510	3380	999
11	1370	392	70	0	0	579	0	471	434	2450	3380	1300
12	1120	392	179	0	0	579	0	471	471	2440	3380	1240
13	1120	392	70	0	0	577	0	543	506	2400	3380	1230
14	1120	502	179	0	0	649	0	544	507	2430	3240	1330
15	898	573	69	0	72	580	0	544	507	2540	3240	1670
16	719	573	180	0	254	0	0	545	581	2610	3170	1700
17	646	573	69	0	0	0	0	547	649	3450	3060	1730
18	646	572	71	0	0	0	0	547	1810	3610	3060	1730
19	574	502	0	0	71	0	0	546	1990	3390	2830	1800
20	575	502	0	0	252	0	0	550	664	3390	2720	1880
21	574	431	0	0	0	0	0	551	689	3390	2710	1850
22	573	430	0	0	0	0	67	587	690	3190	2820	1890
23	573	430	0	70	71	0	215	587	690	3170	2790	2030
24	573	430	0	71	144	0	216	550	689	3170	2790	1880
25	573	430	0	0	0	0	216	550	688	3170	2710	2090
26	573	358	0	0	70	0	216	550	688	3100	2700	2100
27	573	358	0	0	36	0	a 225	550	688	3110	2710	2100
28	571	502	0	0	0	0	215	547	687	3110	2720	b 2120
29	572	320	0	0		70	874	547	751	3110	2640	2130
30	572	320	0	0		220	875	548	1140	3100	2530	2230
31	536		0	0		0		549		3100	2530	
Mean	1035	440	98.2	15.0	55.2	251	104	531	684	2832	3063	1776
Ac-Ft	63670	26180	6040	920	3064	15400	6168	32620	40670	174200	188400	106000

E — Estimated NR — No Record

Total Discharge in Acre-Feet 663300

a 23 hour day.
b 25 hour day.

TABLE 200

DAILY MEAN DISCHARGE
MOKELUMNE RIVER AT LANCHA PLANA

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	487	473	467	491	166	1460	3560	1160	4850	908	706	696
2	405	462	415	677	176	1460	4080	920	4870	854	706	696
3	452	440	424	672	178	1460	4110	920	4850	1280	706	696
4	434	439	421	672	220	1960	3960	1020	4020	1310	706	696
5	442	462	448	603	360	2480	3900	1360	2930	1240	706	696
6	450	463	448	384	352	2460	3950	1680	2490	1180	591	696
7	448	440	442	348	352	2450	3540	2160	2420	1130	706	679
8	440	438	415	436	436	2450	3030	1760	2420	1040	706	696
9	446	431	440	672	682	2430	3350	1650	2130	1020	706	684
10	447	454	238	677	682	2260	3350	1830	1980	878	706	696
11	443	479	551	666	682	699	3340	2160	2420	854	701	690
12	444	451	505	672	722	677	2780	2140	2650	794	701	690
13	453	433	437	450	699	1060	2100	1810	2410	762	701	690
14	444	460	414	336	1060	1080	1970	1630	2420	718	701	690
15	446	451	419	432	1540	1090	2050	1860	2430	712	701	690
16	480	449	433	672	1540	1900	1870	1980	3110	706	701	690
17	405	451	427	672	1540	2690	1870	2110	3930	706	701	690
18	472	452	432	672	1540	1320	2410	2300	3710	712	701	690
19	448	447	419	672	1600	1080	2410	2340	3960	712	701	690
20	445	443	421	672	1550	1290	2070	2270	4190	712	701	690
21	447	445	429	672	1540	2530	1890	2410	3320	712	701	690
22	445	449	428	672	1540	3490	2160	2290	3040	706	701	690
23	445	448	430	672	1540	2640	2320	2910	3540	706	701	690
24	448	447	425	677	1550	2470	2080	4690	3640	706	701	690
25	440	449	426	672	1480	2300	1520	4880	1790	706	701	690
26	439	444	420	688	1560	1800	1470	4880	1430	706	701	690
27	449	442	438	585	1550	1440	1440	4880	1650	706	701	690
28	452	443	414	644	1520	1220	1520	4890	1980	674	701	684
29	441	443	421	572		1440	1700	4880	1990	706	701	679
30	451	437	443	614		2050	1500	4850	1680	712	701	674
31	441		430	617		2670		4850		706	701	
Mean	446	449	430	601	1013	1865	2577	2628	2942	838	699	690
Ac-Ft.	27430	26710	26420	36960	56250	114700	153300	161600	175000	51520	42970	41050

E — Estimated NR — No Record

Total Discharge in Acre-Feet 913900

TABLE 201

DAILY MEAN DISCHARGE
MOKELUMNE RIVER NEAR CLEMENTS

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	482	444	458	462	170	1440	4140	1330	4900	1140	690	682
2	458	462	430	696	180	1420	4730	975	4890	849	690	682
3	381	423	430	675	200	1430	6280	970	4880	1210	690	682
4	454	423	412	672	250	1740	4550	993	4440	1320	690	686
5	434	462	454	580	507	2400	4010	1390	2980	1270	690	682
6	451	462	454	476	412	2400	4360	1590	2480	1210	626	682
7	430	430	444	356	440	2400	3770	2140	2340	1240	678	662
8	430	423	412	370	412	2390	3030	1820	2340	1050	690	682
9	430	423	454	658	700	2380	3340	1680	2160	1090	694	670
10	444	448	307	714	717	2360	3320	1740	1960	885	690	682
11	426	476	465	675	706	930	3300	2120	2160	867	686	682
12	426	448	524	672	964	710	2940	2120	2640	818	682	682
13	437	423	437	549	773	996	2180	1900	2340	777	682	682
14	423	479	430	350	920	1080	1900	1660	2350	722	682	682
15	423	440	430	450	1510	1120	2100	1800	2350	706	682	686
16	423	451	437	664	1520	2060	1890	1960	2690	702	678	682
17	465	458	437	672	1520	2840	1880	2040	3860	706	682	678
18	423	448	444	672	1600	1570	2230	2140	3740	706	686	674
19	430	448	423	672	1960	1110	2340	2300	3840	702	682	674
20	444	437	430	672	1620	1240	2140	2170	4210	702	686	674
21	430	444	430	672	1550	2880	1910	2340	3640	698	682	674
22	444	444	437	672	1530	4490	2060	2180	2890	698	682	682
23	437	444	434	675	1520	2940	2250	2580	3400	702	682	682
24	426	440	420	742	1620	2590	2120	4310	3710	698	690	678
25	437	440	430	717	1750	2390	1660	4880	2240	698	690	678
26	430	451	430	932	1600	1870	1520	4890	1470	690	682	678
27	454	451	440	678	1560	1460	1520	4900	1640	690	682	674
28	451	451	412	664	1510	1260	1530	4900	1750	674	682	674
29	440	451	420	644		1400	1740	4910	2040	694	686	662
30	430	451	437	748		1980	1590	4910	1740	694	686	662
31	430		416	720		2690		4900		690	686	
Mean	436	446	433	631	1061	1934	2744	2598	2936	848	683	678
Ac-Ft	26830	26530	26610	38820	58950	118900	163300	159700	174700	52160	42020	40330

E — Estimated NR — No Record

Total Discharge in Acre-Feet 928800

TABLE 202

DAILY MEAN DISCHARGE
MOKELUMNE RIVER AT WOODBRIDGE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	361	367	420	407	578	1510	2710	1240	4300	1280	272	307
2	304	379	439	558	276	1480	3710	886	4440	573	276	304
3	250	378	399	669	303	1470	4530	796	4460	741	281	325
4	194	362	404	665	302	1480	4760	803	4470	1090	275	338
5	226	344	407	621	325	2020	4250	950	4150	1060	257	352
6	225	358	426	567	424	2250	3980	1190	3210	985	253	346
7	232	350	431	384	382	2260	4000	1530	2550	890	183	385
8	232	318	418	349	402	2270	3760	1620	2340	778	250	367
9	225	304	404	463	487	2280	3300	1450	2190	800	274	373
10	244	296	416	686	679	2280	3370	1380	1930	600	293	367
11	268	314	370	697	695	1840	3370	1560	1860	535	274	378
12	299	328	499	665	787	902	3330	1730	2090	499	225	388
13	309	325	467	669	916	904	2950	1750	2260	459	225	406
14	344	360	422	420	748	1130	2070	1520	2150	406	246	409
15	322	379	420	344	1240	1170	2120	1450	2130	285	264	404
16	334	368	431	469	1470	1410	2060	1610	2190	318	254	397
17	346	367	447	646	1490	2340	1950	1670	2380	348	260	390
18	314	370	441	662	1520	2320	1960	1740	2960	388	218	392
19	354	388	435	667	1760	1350	2320	1900	3210	368	206	394
20	350	937	418	669	1750	1220	2340	1860	3310	362	246	447
21	348	518	418	672	1590	1810	2040	1860	3540	297	257	443
22	350	445	424	672	1560	3120	1930	2040	3280	297	310	443
23	361	439	413	676	1540	3430	1690	2080	2760	303	319	439
24	356	437	416	713	1560	2930	2050	2440	2890	297	310	471
25	360	435	411	748	1760	2600	1740	3400	3010	274	269	475
26	373	431	415	803	1650	2290	1370	4120	2020	262	278	465
27	376	428	415	837	1590	1870	1360	4310	1360	272	262	465
28	378	428	422	667	1570	1610	1300	4320	1470	269	267	463
29	370	428	400	646		1450	1420	4390	1720	192	289	441
30	358	424	397	662		1670	1410	4270	1670	261	295	431
31	367		415	748		2350		3970		274	303	
Mean	314	400	421	617	1048	1904	2638	2124	2743	508	264	400
Ac-Ft	19300	23810	25900	37930	58220	117100	157000	130600	163200	31270	16250	23810

E — Estimated NR — No Record

Total Discharge in Acre-Feet 804400

TABLE 203

DAILY MEAN DISCHARGE
ORY CREEK NEAR GALT

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	298	473	4820	136	28	5.5	0	0
2	0	0	0	0	272	400 E	4290	125	26	4.0	0	0
3	0	0	0	28	1250	350 E	17100	124	28	4.0	0	0
4	0	0	0	22	995	300 E	9500	124	30	1.2	0	0
5	0	0	0	9.8	1390	260 E	5170	122	30	0.3	0	0
6	0	0	0	2.8	902	220 E	5960	118	28	0	0	0
7	0	0	0	0.2	666	200	4000	110	28	1.0	0	0
8	0	0	0	0	674	179	1810	107	26	1.8	0	0
9	0	0	0	0	548	171	1100	101	26	0.4	0	0
10	0	0	0	53	629	152	874	88	26	0	0	0
11	0	0	0	174	584	143	734	94	27	0	0	0
12	0	0	0	102	1370	134	635	104	28	0	0	0
13	0	0	0	69	1920	157	564	104	38	0	0	0
14	0	0	0	58	745	188	508	94	33	0	0	0
15	0	0	0	43	494	500 E	462	81	25	0	0	0
16	0	0	0	34	385	1500 E	435	76	18	0	0	0
17	0	0	0	29	308	3000 E	379	72	14	0	0	0
18	0	0	9.0	25	381	2000 E	330	54	14	0	0	0
19	0	0	73	20	1940	1000 E	311	50	12	0	0	0
20	0	0	19	16	1470	500 E	285	48	9.8	0	0	0
21	0	0	0.5	14	629	1500 E	261	48	9.0	0	0	0
22	0	0	10	9.2	441	4000 E	235	54	7.4	0	0	0
23	0	0	40	7.7	353	3200 E	211	104	6.1	0	0	0
24	0	0	13	73	418	2780	197	94	6.1	0	0	0
25	0	0	3.1	352	2310	1750	183	72	4.9	0	0	0
26	0	0	0.4	783	1690	1050	174	60	4.9	0	0	0
27	0	0	0	1290	941	804	167	52	12	0	0	0
28	0	0	0	416	626	653	159	48	12	0	0	0
29	0	0	0	229		599	153	44	8.6	0	0	0
30	0	0	0	716		1570	148	42	7.0	0	0	0
31	0		0	590		2680		33		0	0	
Mean	0	0	5.4	167	880	1046	2038	83.3	19.1	0.6	0	0
Ac-Ft.	0	0	333	10250	48850	64290	121300	5120	1140	36	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 251300

TABLE 204

DAILY MEAN DISCHARGE
COSUMNES RIVER AT MICHIGAN BAR

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	25	30	42	90	578	1590	9330	1400	860	218	74 E	29
2	25	30	42	130	767	1360	10100	1450	802	207	68 E	29
3	27	30	42	155	2650	1170	20100	1520	1020	218	64 E	27
4	23	29	41	126	1890	1030	9390	1630	850	207	60	26
5	23	30	41	101	2850	910	5420	1790	762	197	58	26
6	30	31	42	92	1740	850	7230	1860	722	184	56	26
7	30	35	44	90	1460	794	4050	1820	674	174	53	26
8	26	37	44	87	1420	776	2900	1700	666	161	53	26
9	26	37	44	84	1250	704	2480	1730	650	150	51	26
10	23	38	44	252	1450	634	2280	1820	622	142	50	28
11	18	38	44	390	1160	618	2220	1800	622	134	49	28
12	21	41	44	243	3650	610	2190	1760	706	127	46	28
13	27	43	43	197	2610	722	2180	1560	690	116	46	29
14	40	91	43	182	1690	1050	2200	1420	615	110	44	31
15	71	222	52	148	1390	2020	2250	1360	580	108	43	31
16	53	117	134	132	1140	5530	2260	1410	580	106	42	30
17	43	82	459	123	985	2850	2250	1490	580	106	43	27
18	35	68	506	117	991	1930	2260	1560	580	106	43	26
19	31	62	312	110	2260	1590	2250	1540 E	559	106	44	25
20	30	71	170	103	1790	1750	2220	1500 E	510	99	42	22
21	29	70	148	101	1430	5640	2250	1480 E	468	95	40	23
22	30	62	215	94	1250	8180	2260	1450	435	94	38	24
23	31	56	185	92	1100	4740	2130	1650	410	88	36	26
24	32	51	132	257	1850	5380	1930	1520	380	85	36	26
25	34	48	117	535	5610	3520	1780 E	1370	338	88	33	35
26	36	45	104	2360	3640	2650	1650 E	1240	310	86 E	31	35
27	34	45	99	1680	2390	2270	1570 E	1160	290	88 E	31	31
28	33	44	95	704	1930	2040	1520 E	1070	266	85 E	33	31
29	32	44	99	593		1920	1480	990	246	82 E	33	28
30	30	44	106	1740		7640	1400	940	228	80 E	30	27
31	30		99	880		4040		890		76 E	30	
Mean	31.5	55.7	117	387	1890	2468	3784	1480	567	127	45.2	27.7
Ac-Ft	1940	3310	7200	23780	105000	151800	225200	91000	33760	7780	2780	1650

E — Estimated NR — No Record

Total Discharge in Acre-Feet 655100

TABLE 205

DAILY MEAN DISCHARGE
COSUMNES RIVER AT McCONNELL

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	16 E	24 E	79	877	1860	6920	1440	920	168	24	2.3E
2	0	16 E	22 E	126	713	1560	17100	1470	858	156	21	1.5E
3	0	16 E	22 E	174	3300	1340	25800	1540	950	164	23	1.0E
4	0	15 E	22 E	152	3020	1160	20600	1660	985	160	23	0.5E
5	0	16 E	23 E	122	3100	1030	9940	1860	817	150	28	0
6	0	17 E	23 E	87	2460	932	7910	2000	763	139	20	0
7	0	18 E	23 E	75	1610	887	7380	2010	704	127	19	0
8	0	19 E	24 E	72	2240	792	4210	1930	655	118	14	0
9	0	20 E	24 E	69	1690	782	3160	1900	668	110	15	0
10	1 E	20 E	24 E	127	1550	679	2720	1980	631	103	14	0
11	3 E	21 E	24 E	295	1440	638	2510	1990	607	99	11	0
12	5 E	22 E	24 E	282	2640	603	2400	2040	704	96 E	7.7	0
13	7 E	23 E	24 E	191	5210	684	2340	1800	709	93 E	4.7	0
14	9 E	70 E	23 E	176	2420	772	2340	1580	643	90 E	5.1	0
15	18 E	160 E	27 E	150	1660	2490	2360	1490	583	87 E	5.6	0
16	44 E	100 E	70 E	126	1320	4830	2390	1520	563	84 E	5.4	0
17	33 E	60 E	293	113	1080	6890	2380	1580	571	80 E	7.4	0
18	24 E	40 E	363	105	967	2680	2400	1690	571	77 E	8.2	0
19	18 E	35 E	452	96	3130	1750	2430	1750	563	74 E	9.6	0
20	16 E	37 E	214	89	3670	1600	2390	1740	523	71 E	6.9	0
21	15 E	39 E	152	82	1880	4210	2400	1690	467	68 E	5.4	0
22	16 E	35 E	150	79	1420	10500	2450	1620	420	64 E	6.3	0
23	16 E	32 E	207	72	1200	9810	2380	1820	392	60 E	3.8	0
24	17 E	29 E	142	100	1200	7090	2130	1820	350	56 E	4.3	0
25	18 E	27 E	113	578	5650	5700	1900	1620	314	52 E	8.5	0
26	18 E	26 E	100	1480	6140	3490	1720	1430	272	48 E	9.6	0
27	19 E	25 E	87	3890	3360	2670	1600	1320	242	45 E	5.6	0.2
28	18 E	24 E	82	1440	2380	2320	1530	1210	215	42 E	5.0E	5.6
29	17 E	24 E	80	708		2090	1500	1100	202	39 E	4.3E	7.2
30	16 E	24 E	86	2150		4390	1480	1030	180	36 E	3.6E	5.4
31	16 E		87	1840		10100		960		33	3.0E	
Mean	11.7	34.2	97.8	488	2405	3107	4959	1632	568	90.0	10.7	0.8
Ac-Ft	722	2040	6010	30000	133500	191100	295100	100300	33800	5530	659	47

E — Estimated NR — No Record

Total Discharge in Acre-Feet 798800

TABLE 206

DAILY MEAN DISCHARGE
CONTRA COSTA CANAL NEAR OAKLEY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	93	56	45	40	37	38	34	58	64	103	100	117
2	93	58	44	41	36	38	34	58	67	101	100	114
3	93	57	44	40	35	39	31	62	68	98	98	115
4	87	58	45	42	34	39	33	69	68	95	96	112
5	87	58	44	42	34	40	33	90	74	94	95	109
6	85	59	43	38	33	40	33	74	79	89	97	110
7	80	60	43	38	36	39	35	83	80	91	95	108
8	81	53	41	39	36	40	34	71	76	93	93	107
9	85	59	42	40	33	39	38	71	77	94	89	102
10	81	53	41	36	33	38	39	69	81	95	90	103
11	70	51	42	43	32	39	42	64	83	95	92	98
12	63	55	41	42	32	34	42	62	81	99	94	106
13	59	49	41	44	34	39	41	59	83	99	100	104
14	71	51	40	41	36	40	42	59	86	103	100	101
15	72	52	41	41	37	41	40	69	89	101	112	100
16	74	49	42	42	36	38	43	72	92	100	114	105
17	83	47	42	44	35	38	46	79	98	99	113	108
18	48	47	42	43	38	39	47	75	106	100	107	106
19	49	44	43	42	32	39	46	76	105	102	106	118
20	53	43	46	41	33	38	46	76	101	96	102	117
21	71	42	49	41	35	38	49	75	100	98	106	112
22	67	43	42	40	35	33	52	69	97	101	104	106
23	63	43	42	41	33	34	59	67	93	102	105	100
24	56	46	40	41	32	34	60	67	92	99	103	88
25	65	109	33	41	27	36	59	66	98	102	113	94
26	64	60	34	36	37	36	62	67	101	101	114	95
27	60	84	37	36	32	36	a 55	66	105	99	111	96
28	55	63	38	37	37	38	89	64	108	100	114	b 92
29	53	48	47	36		39	89	67	102	99	115	107
30	56	50	47	36		39	79	66	104	99	121	100
31	55		42	36		38		67		97	118	
Mean	70.1	54.9	42.0	40.0	34.3	37.9	47.7	68.9	88.6	98.2	104	105
Ac-Ft	4308	3267	2584	2460	1904	2333	2836	4239	5272	6038	6381	6255

E — Estimated NR — No Record

Total Discharge in Acre-Feet 47880

a 23 hour day.
b 25 hour day.

TABLE 207

DAILY MEAN DISCHARGE
KINGS RIVER AT PIEDRA

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	760	58	70	134	134	277	1850	8820	9430	7780	6890	2060
2	738	59	90	140	130	396	1020	8950	9640	6930	6800	1920
3	749	49	90	136	522	428	3190	9580	11800	6800	6690	1990
4	722	49	106	136	367	428	1400	9610	11700	6750	6670	2070
5	615	49	113	136	361	444	874	10100	11700	6710	6560	2430
6	600	49	108	134	165	487	1040	10200	11700	6820	6440	2520
7	496	48	126	140	122	580	778	10400	11700	7040	6410 E	2340
8	262	47	132	140	108	710	605	10200	12200	7220	6300 E	2330
9	201	48	132	142	109	832	523	10700	12100	7320	6000 E	2180
10	108	48	132	144	115	858	555	9580	10400	7580	6000 E	2020
11	76	49	132	150	115	416	727	8980	9970	7500	6180 E	1840
12	75	48	132	144	122	536	1440	8320	8720	7480	6000 E	1860
13	76	39	134	187	113	452	1530	7250	7850	7480	5830 E	1250
14	75	44	134	196	104	271	1510	7060	7820	7480	5630 E	600
15	74	38	142	198	113	903	2040	6840	7820	7650	4400 E	575
16	78	38	156	198	109	1480	2280	6290	7680	7980	4100 E	615
17	76	38	173	198	108	1050	2640	6420	7450	7950	4100 E	469
18	74	38	152	201	128	518	2720	6420	8880	7700	4200 E	510
19	59	38	142	201	180	528	2790	6500	10300	7350	4380	528
20	63	38	144	201	160	615	2790	6050	11700	7350	4460	505
21	66	38	136	216	152	705	3130	5860	11500	7500	4420	487
22	66	37	136	243	158	2730	3530	5440	11600	7520	4350	510
23	64	38	132	211	160	796	4240	5880	12200	7500	4240	428
24	57	38	132	165	167	580	4640	6290	12800	7300	4170	448
25	58	38	132	187	1530	452	5010	6560	11000	7110	4180	400
26	58	38	134	361	606	420	5710	6650	9220	6750	4120	392
27	58	38	134	233	277	404	5900	6910	8880	6600	3980	392
28	58	38	132	132	204	312	6480	6970	8900	6670	3980	354
29	58	38	132	122		296	7250	7480	8950	6690	3560	350
30	58	38	132	160		343	7820	8180	8850	6930	3340	303
31	58		136	128		487		9320		6970	3020	
Mean	214	43.0	129	175	237	637	2867	7865	10150	7239	5077	1156
Ac-Ft	13160	2560	7950	10740	13170	39140	170600	483600	603900	445100	312200	68780

E — Estimated NR — No Record

Total Discharge in Acre-Feet 2171000

TABLE 208

DAILY MEAN DISCHARGE
SOUTH FORK KINGS RIVER BELOW EMPIRE WEIR 2

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	0	0	0	0	0	0	0	76	0	190	56
2	27	0	0	0	0	0	0	0	146	0	158	48
3	27	0	0	0	0	0	37	0	164	0	147	47
4	26	0	0	0	0	0	66	0	160	0	127	46
5	26	0	0	0	0	0	99	0	668	0	127	38
6	25	0	0	0	0	0	108	35	1250	0	123	32
7	8	0	0	0	0	0	110	40	1300	0	114	33
8	0	0	0	0	0	0	104	40	1280	0	85	44
9	0	0	0	0	0	0	100	45	1260	0	72	50
10	0	0	0	0	0	0	102	40	1230	0	67	50
11	0	0	0	0	0	0	89	40	1160	0	67	43
12	0	0	0	0	0	0	82	40	266	0	76	38
13	0	0	0	0	0	0	74	30	37	0	103	38
14	0	0	0	0	0	0	65	10	0	0	129	37
15	0	0	0	0	0	0	0	0	0	0	119	12
16	0	0	0	0	0	0	0	0	0	0	98	0
17	0	0	0	31	0	96	0	0	25	4	72	0
18	0	0	0	8	0	60	0	0	150	85	52	0
19	0	0	0	15	0	28	0	0	85	123	35	0
20	0	0	0	48	0	18	0	0	19	174	38	14
21	0	0	0	37	0	0	0	0	0	219	45	22
22	0	0	0	28	0	50	0	0	45	234	44	22
23	0	0	0	25	0	56	0	0	25	212	34	7
24	0	0	0	41	0	58	0	24	53	201	40	0
25	0	0	0	63	0	98	0	289	200	204	71	0
26	0	0	0	67	0	15	0	322	144	242	73	0
27	0	0	0	105	0	0	0	158	0	274	57	0
28	0	0	0	144	0	0	0	47	0	210	56	0
29	0	0	0	142		0	0	47	0	154	48	0
30	0	0	0	105		0	0	50	0	184	43	0
31	0		0	29		0		31		208	57	
Mean	5	0	0	29	0	15	35	42	325	88	83	23
Ac-Ft	331	0	0	1761	0	950	2055	2554	19320	5411	5092	1343

E — Estimated NR — No Record

Total Discharge in Acre-Feet 38820

TABLE 209

DAILY MEAN DISCHARGE
CROSS CREEK BELOW LAKELAND CANAL 2

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	500	0	0	0
2	0	0	0	0	0	0	0	0	400	0	0	0
3	0	0	0	0	0	0	0	0	290	0	0	0
4	0	0	0	0	0	0	0	0	180	0	0	0
5	0	0	0	0	0	0	1180	0	75	0	0	0
6	0	0	0	0	0	0	1200	0	55	0	0	0
7	0	0	0	0	0	0	1230	0	0	0	0	0
8	0	0	0	0	0	0	1270	115	0	0	0	0
9	0	0	0	0	0	0	1220	255	107	0	0	0
10	0	0	0	0	0	0	865	253	295	0	0	0
11	0	0	0	0	0	0	605	256	250	0	0	0
12	0	0	0	0	0	0	465	245	270	0	0	0
13	0	0	0	0	0	0	310	260	205	0	0	0
14	0	0	0	0	0	0	290	200	125	0	0	0
15	0	0	0	0	0	0	227	0	135	0	0	0
16	0	0	0	0	0	0	185	0	90	0	0	0
17	0	0	0	0	0	0	215	0	95	0	0	0
18	0	0	0	0	0	0	250	0	85	0	0	0
19	0	0	0	0	0	0	352	160	50	0	0	0
20	0	0	0	0	0	0	421	340	0	0	0	0
21	0	0	0	0	0	0	415	700	0	0	0	0
22	0	0	0	0	0	0	452	775	0	0	0	0
23	0	0	0	0	0	0	513	880	0	0	0	0
24	0	0	0	0	0	0	555	940	0	0	0	0
25	0	0	0	0	0	0	505	990	0	0	0	0
26	0	0	0	0	0	0	115	935	0	0	0	0
27	0	0	0	0	0	0	60	800	0	0	0	0
28	0	0	0	0	0	0	45	710	0	0	0	0
29	0	0	0	0		0	35	650	0	0	0	0
30	0	0	0	0		0	5	545	0	0	0	0
31	0		0	0		0		495		0	0	
Mean	0	0	0	0	0	0	433	339	107	0	0	0
Ac-Ft	0	0	0	0	0	0	25460	20840	6360	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 52640

TABLE 210

DAILY MEAN DISCHARGE
NORTH FORK TULE RIVER AT SPRINGVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.7	2.9	13	59	132	578	160	101	23	0.9	0.2E
2	0.2	2.3	2.9	13	51	111	371	172	94	22	0.8	0.2E
3	0.1	8.6	2.9	12	113	100	923	192	93	22	0.9	0.2E
4	0.1	4.7	3.0	12	177	88	583	216	85	21	0.8	0.1
5	0.1	4.6	33	11	163	82	405	230	82	19	0.4	0.1
6	0.4	4.4	19	11	105	114	356	236	80	17	0.3	0.1
7	0.1	4.1	13	11	84	102	317	219	78	14	0.6	0.1
8	0.1	3.9	12	11	75	93	278	215	73	11	0.8	0.1
9	0.1	4.2	12	9.9	65	88	253	215	71	12	0.8	0.1
10	0.2	4.2	12	14	58	82	245	220	68	9.3	0.6	0.1
11	0.2	4.2	12	14	54	83	261	242	68	8.8	0.2	0.2
12	0.4	4.5	11	13	77	89	271	243	67	7.6	0.4	0.2
13	0.5	4.5	9.9	12	115	99	268	182	62	6.5	0.2	0.1
14	11	6.2	9.4	11	82	93	276	162	59	6.1	0.2	0.3
15	4.0	7.4	10	10 E	72	423	290	156	58	5.1	0.3	0.2
16	1.5	6.0	29	10 E	67	593	313	164	59	5.5	0.7	0.1
17	1.0	5.2	139	10 E	65	659	327	179	58	5.6	0.8	0
18	0.6	4.7	71	10 E	61	434	336	187	58	6.9	0.3	0
19	0.4	4.7	51	11 E	124	299	344	185	55	6.0	0.5	0
20	0.4	5.0	38	10 E	114	324	373	179	52	5.9	0.6	0
21	1.1	6.2	32	10 E	88	403	389	173	47	5.7	0.3	0
22	1.4	5.6	27	10 E	80	748	360	173	44	4.3	0.3	0.2
23	1.2	5.4	24	9.8E	75	392	284	160	44	4.6	0.2	0.8
24	0.6	5.4	21	25 E	74	364	233	145	43	4.3	0.2	3.0
25	0.8	4.7	19	194 E	432	315	205	135	41	3.8	0.2	1.2
26	1.1	3.7	17	518 E	247	257	191	128	36	3.6	0.1	1.0
27	1.1	3.8	17	187 E	160	252	186	123	32	2.9	0.2	1.0
28	0.7	3.4	16	103	144	214	185	120	30	2.3	0.2E	0.8
29	0.8	3.1	15	77		189	172	114	27	3.1	0.2E	0.7
30	0.7	2.9	15	105		189	163	109	26	2.1	0.3E	0.5
31	0.4		14	72		278		104		0.7	0.5E	
Mean	1.0	4.6	22.9	49.7	110	248	325	175	59.7	8.8	0.4	0.4
Ac-Ft.	63	274	1408	3054	6111	15250	19310	10790	3552	539	27	23

E — Estimated NR — No Record

Total Discharge in Acre-Feet 60400

TABLE 211

DAILY MEAN DISCHARGE
TULE RIVER NEAR PORTERVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	20	33	58	145	275	1220	397	453	158	39	16
2	3.4	24	32	57	138	232	878	441	421	150	37	16
3	4.3	50	33	57	243	206	1940	510	405	144	33	13
4	5.6	40	32	54	327	184	1470	595	378	140	33	13
5	6.0	37	80	52	391	171	1010	660	374	135	31	12
6	6.4	32	75	50	228	252	850	708	347	128	30	12
7	7.3	32	57	50	184	222	750	696	341	120	29	18
8	7.8	33	53	50	169	190	635	702	323	115	30	22
9	7.3	34	53	49	168	182	560	720	302	110	30	21
10	7.3	34	54	57	142	167	545	762	302	104	29	19
11	8.6	33	52	68	135	165	575	780	299	98	28	17
12	12	33	49	58	154	177	600	744	288	92	27	16
13	16	34	48	58	262	204	595	560	272	84	25	16
14	55	39	45	55	184	184	615	496	270	80	24	19
15	53	53	46	53	163	724	640	496	272	75	24	19
16	32	48	88	53	154	1150	702	545	285	74	26	17
17	25	40	395	52	150	1410	762	640	290	71	31	15
18	24	38	169	52	144	990	808	720	299	69	30	14
19	22	37	138	52	229	655	829	750	285	68	26	14
20	23	39	108	50	240	625	920	744	270	65	23	14
21	28	38	96	49	186	822	990	732	258	64	23	15
22	25	37	90	50	171	1590	955	732	252	61	22	15
23	24	35	82	48	163	906	756	684	255	59	23	19
24	23	35	78	109	162	815	610	650	242	57	21	58
25	21	35	71	521	949	714	525	600	225	54	21	34
26	19	33	71	737	604	565	474	570	208	55	20	30
27	22	34	68	410	347	550	457	545	197	53	19	27
28	24	35	64	210	293	478	465	525	188	49	19	24
29	21	34	64	165		397	433	496	173	49	20	24
30	20	34	61	224		374	405	478	165	50	18	25
31	19		59	167		585		465		41	17	
Mean	18.6	36.0	78.8	122	243	521	766	618	288	86.2	26.1	19.8
Ac-Ft	1140	2140	4850	7490	13520	32050	45570	37970	17140	5300	1600	1180

E — Estimated NR — No Record

Total Discharge in Acre-Feet 169900

TABLE 212

DAILY MEAN DISCHARGE
TULE RIVER AT WORTH BRIDGE NEAR PORTERVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr	May	June	July	Aug	Sept
1	0.5	16	31	60	165	378	1720	534	575	184	46	3.0
2	0.6	17	30	54	147	305	1250	575	540	172	39	2.4
3	0.5	60	30	51	265	270	2650	638	522	163	34	3.2
4	0.4	55	28	49	330	244	2180	728	492	157	31	5.7
5	0.5	44	87	46	474	224	1450	808	480	151	26	4.7
6	0.9	39	102	45	295	320	1270	880	456	142	23	4.0
7	1.1	37	68	47	244	320	1180	864	444	133	21	9.3
8	1.1	37	60	47	224	260	1010	856	415	127	21	21
9	1.0	38	62	49	204	248	904	864	395	118	21	16
10	1.1	38	68	58	180	228	872	904	395	106	19	10
11	1.5	36	60	84	165	220	888	920	390	98	20	8.2
12	2.8	37	56	68	207	240	904	912	375	90	17	7.3
13	7.4	38	52	62	378	280	888	744	360	82	15	6.5
14	52	43	49	60	252	248	888	673	350	78	12	9.0
15	77	66	48	59	216	849	904	659	350	75	13	8.2
16	38	56	105	51	192	1450	896	704	355	74	16	8.2
17	31	48	407	49	177	2280	929	768	360	72	23	6.1
18	26	44	212	46	168	1400	956	848	370	69	25	4.2
19	19	40	180	47	291	924	1040	864	360	67	19	3.8
20	19	44	144	45	360	861	1100	864	345	66	13	4.0
21	24	42	118	45	260	1130	1180	840	325	64	12	4.9
22	24	39	108	44	228	2200	1150	840	310	59	11	5.5
23	20	37	98	43	220	1170	974	800	310	58	12	8.2
24	18	37	88	66	212	1020	808	768	300	55	12	52
25	17	35	82	678	1010	933	712	728	275	54	9.9	36
26	15	34	82	740	772	748	652	696	254	54	8.7	28
27	17	34	78	508	501	732	624	680	238	49	6.1	22
28	21	34	74	275	408	708	624	652	226	48	4.9	18
29	19	33	70	212		990	582	624	206	46	6.8	19
30	18	31	68	275		933	547	610	194	47	3.9	18
31	17		66	208		807		596		44	4.2	
Mean	15.9	39.6	90.7	135	305	739	1058	756	366	90.4	17.6	11.9
Ac-Ft	975	2360	5580	8270	16950	45460	62940	46490	21750	5560	1080	707

E — Estimated NR — No Record

Total Discharge in Acre-Feet 218100

TABLE 213

DAILY MEAN DISCHARGE
FRIANT-KERN CANAL DELIVERY TO TULE RIVER

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	34	0	0	0	258	420	325
2	0	0	0	0	0	44	0	15	56	250	450	276
3	0	0	0	0	0	44	0	25	110	246	464	248
4	0	0	0	0	0	69	0	25	163	246	456	236
5	0	0	0	0	0	104	0	9	193	246	415	230
6	0	0	0	0	0	95	0	0	210	246	406	230
7	0	0	0	0	0	56	0	0	269	246	414	233
8	0	0	0	0	0	16	0	0	283	334	416	238
9	0	0	0	0	0	58	0	0	311	370	448	232
10	0	0	0	0	0	108	0	0	355	372	457	224
11	0	0	0	0	46	112	0	0	361	401	456	220
12	0	0	0	0	114	253	0	0	320	418	443	215
13	0	0	0	0	110	321	0	0	302	420	426	215
14	0	0	0	0	79	306	0	0	305	420	442	215
15	0	0	0	0	124	97	0	0	321	429	435	217
16	0	0	0	0	126	0	0	0	330	428	426	197
17	0	0	0	0	130	0	0	0	375	409	426	185
18	0	0	0	0	137	0	0	0	404	386	426	185
19	0	0	0	0	130	0	0	0	404	358	426	185
20	0	0	0	0	50	0	0	0	405	347	426	185
21	0	0	0	0	26	0	0	0	443	350	424	185
22	0	0	0	0	74	0	0	0	463	420	424	185
23	0	0	0	0	124	9	0	0	464	433	426	185
24	0	0	0	0	126	15	0	0	453	440	426	185
25	0	0	0	0	31	5	0	0	446	439	426	186
26	0	0	0	0	0	0	0	0	444	438	375	185
27	0	0	0	0	7	0	0	0	444	425	349	184
28	0	0	0	0	111	0	0	0	369	414	334	185
29	0	0	0	0		0	0	0	272	437	326	197
30	0	0	0	0		0	0	0	260	455	326	86
31	0		0	0		0		0		456	326	
Mean	0	0	0	0	55.2	56.3	0	2.4	318	372	414	208
Ac-Ft.	0	0	0	0	3064	3463	0	147	18910	22880	25470	12400

E — Estimated NR — No Record

Total Discharge in Acre-Feet 86330

TABLE 214

DAILY MEAN DISCHARGE
TULE RIVER BELOW PORTERVILLE

In second-feet

Date	1957			1958								
	Oct	Nov	Dec	Jan	Feb.	Mar.	Apr	May	June	July	Aug	Sept.
1	0	0	0	0	68	238	1300	190	135	278	404	356
2	0	0	0	0	49	208	1160	214	168	260	440	300
3	0	0	0	0	100	174	2140	271	218	250	445	264
4	0	0	0	0	157	161	1880	352	264	250	436	250
5	0	0	0	0	251	153	1290	408	267	247	390	237
6	0	0	0	0	168	204	1160	440	243	243	377	237
7	0	0	0	0	123	234	1060	450	289	247	390	240
8	0	0	0	0	125	139	906	450	278	339	390	247
9	0	0	0	0	115	163	794	455	293	377	431	240
10	0	0	0	0	87	178	729	494	331	364	431	230
11	0	0	0	0	141	168	691	541	308	390	431	227
12	0	0	0	0	204	285	679	602	257	404	422	221
13	0	0	0	0	301	356	673	455	237	395	404	211
14	0	0	0	0	201	317	814	360	224	390	422	218
15	0	0	0	0	229	393	835	327	237	395	417	224
16	0	0	0	0	225	1030	703	360	260	390	413	202
17	0	0	40	0	220	1580	661	422	304	373	417	190
18	0	0	31	0	222	1140	697	499	339	356	422	190
19	0	0	22 E	0	222	606	691	499	348	323	422	193
20	0	0	0	0	234	463	754	479	360	312	426	193
21	0	0	0	0	135	760	821	474	390	319	426	193
22	0	0	0	0	159	1590	787	494	417	399	431	193
23	0	0	0	0	202	1050	608	489	408	413	436	193
24	0	0	0	0	202	802	460	440	386	422	436	193
25	0	0	0	251	567	866	381	381	360	422	440	193
26	0	0	0	309	637	668	335	348	352	426	386	196
27	0	0	0	440	301	600	312	312	331	417	356	193
28	0	0	0	135	325	613	316	250	339	413	343	196
29	0	0	0	82		484	271	214	312	445	343	211
30	0	0	0	109		428	193	193	293	465	343	98
31	0		0	105		625		166		431	352	
Mean	0	0	3.0	46.2	213	538	803	388	298	360	407	218
Ac-Ft.	0	0	184	2838	11840	33080	47800	23860	17750	22130	25040	12950

E — Estimated NR — No Record

Total Discharge in Acre-Feet 197500

TABLE 215

DAILY MEAN DISCHARGE
PORTER SLOUGH AT PORTERVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	7.5	83	177	114	156	38	0	0
2	0	0	0	0	4.8E	73	191	112	153	36	0	0
3	0	0	0	0	10 E	65	334	114	151	33	0	0
4	0	0	0	0	43	79	305	122	148	31	0	0
5	0	0	0	0	122	83	214	130	149	28	0	0
6	0	0	0	0	58	74	195	135	143	26 E	0	0
7	0	0	0	0	29	81	183	129	143	23 E	0	0
8	0	0	0	0	10	62	166	126	136	21 E	0	0
9	0	0	0	0	7.8	60	153	122	117	18 E	0	0
10	0	0	0	0	4.5E	54	164	123	94	16 E	0	0
11	0	0	0	0	2.9E	51	196	128	92	13 E	0	0
12	0	0	0	0	3.2E	54	196	122	88	10 E	0	0
13	0	0	0	0	80	62	155	107	85	7.0E	0	0
14	0	0	0	0	59	56	22	104	82	4.0E	0	0
15	0	0	0	0	3.8E	183	18	103	83	1.0E	0	0
16	0	0	0	0	1.8E	272	185	106	84	0	0	0
17	0	0	46	0	0 E	332	206	115	85	0	0	0
18	0	0	64	0	0 E	276	171	122	89	0	0	0
19	0	0	48	0	46 E	240	169	124	88	0	0	0
20	0	0	41	0	88	225	174	124	84	0	0	0
21	0	0	35	0	43	251 E	179	125	80	0	0	0
22	0	0	27	0	28	324 E	177	129	76	0	0	0
23	0	0	13 E	0	23	301	167	146	79	0	0	0
24	0	0	0	0	21	257	157	157	75	0	0	0
25	0	0	0	75	155	144	147	149	71	0	0	0
26	0	0	0	178	177	88	140	143	66	0	0	0
27	0	0	0	165	123	83	135	138	61	0	0	0
28	0	0	0	97	86	78	133	136	62	0	0	0
29	0	0	0	50		68	176	137	59	0	0	0
30	0	0	0	41		62	150	134	51	0	0	0
31	0		0	24		96		147		0	0	
Mean	0	0	8.8	20.3	44.2	136	171	127	97.7	9.8	0	0
Ac-Ft	0	0	543	1250	2454	8364	10190	7781	5812	605	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 37000

TABLE 216

DAILY MEAN DISCHARGE
PORTER SLOUGH NEAR PORTERVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	6.6	89	156	79	111	0 E	0	0
2	0	0	0	0	6.6	78	180	75	110	0 E	0	0
3	0	0	0	0	10	70	268	76	107	0	0	0
4	0	0	0	0	14	79	253	82	106	0	0	0
5	0	0	0	0	94	93	157	87	105	0	0	0
6	0	0	0	0	48	73	135	93	101	0	0	0
7	0	0	0	0	27	77	123	92	99	0	0	0
8	0	0	0	0	1.8	67	107	92	97	0	0	0
9	0	0	0	0	0	65	97	90	83	0	0	0
10	0	0	0	0	0	60	102	90	60	0	0	0
11	0	0	0	0	0	54	135	100	55	0	0	0
12	0	0	0	0	1.4	52	136	103	49	0	0	0
13	0	0	0	0	44	57	118	93	45	0	0	0
14	0	0	0	0	48	48	11	90	46	0	0	0
15	0	0	0	0	8.1	131	10	86	46	0	0	0
16	0	0	0	0	7.6	189	123 E	86	47	0	0	0
17	0	0	4.9	0	7.1	302	155	86	47	0	0	0
18	0	0	15	0	7.4	255	131	91	48	0	0	0
19	0	0	7.9	0	21	218	132	95	44	0	0	0
20	0	0	5.7	0	74	204	134	95	41	0	0	0
21	0	0	4.5	0	42	236	141	97	37	0	0	0
22	0	0	0	0	41	293	141	100	34	0	0	0
23	0	0	0	0	37	253	129	115	34	0	0	0
24	0	0	0	6.1	37	214	119	127	32	0	0	0
25	0	0	0	34	117	125	112	122	29	0	0	0
26	0	0	0	121	173	75	105	113	25	0	0	0
27	0	0	0	127	138	72	102	101	⎮	0	0	0
28	0	0	0	73	94	69	98	94	⎮	0	0	0
29	0	0	0	30		58	131	92	12 E	0	0	0
30	0	0	0	22		53	116	90	⊥	0	0	0
31	0		0	18		83		98		0	0	
Mean	0	0	1.2	13.9	39.5	122	129	94.5	56.2	0	0	0
Ac-Ft	0	0	75	855	2193	7521	7650	5812	3344	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 27450

TABLE 217

DAILY MEAN DISCHARGE
FRIANT-KERN CANAL DELIVERY TO PORTER SLOUGH

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	0	0	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 0

TABLE 218

DAILY MEAN DISCHARGE
KAWEAH RIVER NEAR THREE RIVERS

In second-feet

Date	1957			1958								
	Oct	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	85	87	128	247	506	2600	1560	3120	1460	405	108
2	49	97	85	122	231	445	1800	1720	2810	1390	370	105
3	49	192	83	120	502	420	3930	1900	2850	1320	360	101
4	49	136	81	112	682	380	2480	2200	2720	1420	320	97
5	48	122	130	112	657	370	1860	2500	2710	1430	293	93
6	46	115	128	112	410	450	1700	2800	2490	1400	280	91
7	46	118	115	110	345	405	1460	2950	2460	1380	288	95
8	46	125	120	110	320	410	1270	3140	2120	1330	316	120
9	45	125	120	110	311	370	1150	3340	2150	1190	288	110
10	42	122	125	128	280	360	1140	3480	2350	1100	267	99
11	42	120	122	136	267	350	1240	3320	2300	1050	259	95
12	52	115	115	120	298	350	1320	2710	2040	1050	251	93
13	59	110	110	112	465	370	1360	2230	2010	960	247	91
14	101	125	108	112	340	385	1380	2180	2220	850	247	91
15	95	154	120	110	316	1090	1500	2490	2410	787	255	87
16	81	125	503	110	311	2160	1700	3010	2680	704	271	83
17	75	112	1120	110	325	1890	1850	3570	2780	662	435	83
18	69	108	445	110	311	1400	2000	4060	2930	596	293	77
19	75	115	325	108	476	1060	2200	4260	2820	584	251	75
20	87	125	267	105	494	1130	2500	4370	2660	584	219	73
21	105	122	239	101	405	1500	2700	4220	2510	584	195	71
22	93	110	219	101	385	2560	2600	4100	2630	566	178	69
23	93	105	192	101	385	1470	2200	4000	2690	572	167	127
24	89	103	174	240	395	1230	1900	3900	2480	518	160	302
25	85	99	167	660	1810	1050	1650	3800	2240	460	151	170
26	89	105	160	910	928	871	1580	3700	2080	445	145	160
27	97	101	154	542	650	850	1650	3540	2040	440	139	151
28	105	99	148	355	548	745	1720	3400	1930	445	136	130
29	97	97	142	298		668	1640	3320	1710	465	133	115
30	93	91	139	335		758	1530	3230	1560	415	130	105
31	87		133	275		1580		3230		390	118	
Mean	72.2	114	199	200	468	890	1854	3169	2417	856	244	109
Ac-Ft	4440	6900	12250	12330	25970	54710	110300	194800	143800	52660	15010	6480

E — Estimated NR — No Record

Total Discharge in Acre-Feet 639600

TABLE 219

DAILY MEAN DISCHARGE
TULE RIVER AT TURNBULL STATION

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	226 E	6.3E	39	0		
2	0	0	0	0	0	0	942 E	5.4E	9.8	0		
3	0	0	0	0	0	0	1400	4.6E	14	0		
4	0	0	0	0	0	0	1610	3.7E	12	0		
5	0	0	0	0	0	0	1810	2.8E	0.5	0		
6	0	0	0	0	0	0	1780	1.9E	0	0		
7	0	0	0	0	0	0	1490	1.0E	0	0		
8	0	0	0	0	0	0	1250	0.1E	0	0		
9	0	0	0	0	0	0	995	0.1	0	0		
10	0	0	0	0	0	0	774	0.1	0.4	0		
11	0	0	0	0	0	0	696	15	1.7	0		
12	0	0	0	0	0	0	651	499	0.9	0		
13	0	0	0	0	0	0	628	189	0.1	0		
14	0	0	0	0	0	0	601	58	0	0 E		
15	0	0	0	0	0	0	644	5.5	0			
16	0	0	0	0	0	0	500	1.8	0			
17	0	0	0	0	0	68	281	1.2	0			
18	0	0	0	0	0	876 E	235	1.3	0			
19	0	0	0	0	0	587	276	9.0	0			
20	0	0	0	0	0	264	395	93	0			
21	0	0	0	0	0	319	489	96	0			
22	0	0	0	0	0	620	572	46	0			
23	0	0	0	0	0	1120	557	10	0			
24	0	0	0	0	0	1060	413	3.0	0			
25	0	0	0	0	0	672	175	16	0			
26	0	0	0	0	0	268	62	23	0			
27	0	0	0	0	0	273	11	11	0			
28	0	0	0	0	0	270	9.0	0.5	0			
29	0	0	0	0		323	8.1E	3.9	0			
30	0	0	0	0		156	7.2E	10	0			
31	0		0	0		27		78				
Mean	0	0	0	0	0	222	650	38.6	2.6			
Ac-Ft.	0	0	0	0	0	13650	38650	2373	156			

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 220

DAILY MEAN DISCHARGE
KERN RIVER NEAR BAKERSFIELD

In second-feet

Date	1957			1958									
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	387	249	238	280	371	962	892	2160	2120	3320	3120	1460
2	367	256	216	289	361	737	832	2170	2220	3230	3120	1350
3	369	243	211	280	401	668	1200	2250	2310	3100	3080	1380
4	365	221	218	277	451	658	1110	2300	2360	2840	3000	1460
5	356	239	234	248	496	683	990	2320	2460	3030	2920	1400
6	363	223	251	232	463	667	986	2330	2580	3120	2670	1370
7	365	222	236	248	441	611	958	2370	2590	3240	2610	1280
8	337	207	228	252	437	544	911	2370	2560	3450	2530	958
9	287	208	244	271	444	549	884	2370	2540	3520	2420	732
10	283	224	266	274	431	524	921	2400	2600	3640	2420	810
11	283	228	301	288	432	498	1060	2300	2860	3690	2450	917
12	235	228	302	285	439	500	1100	2160	3240	3590	2450	889
13	261	230	285	252	455	516	1070	2140	3130	3490	2430	865
14	255	236	246	250	487	511	1080	2160	3180	3480	2420	884
15	245	242	253	257	438	564	1220	2030	3240	3470	2420	872
16	248	250	351	264	433	702	1160	1910	3620	3470	2350	945
17	256	239	401	260	432	904	1220	1910	3920	3340	2260	1050
18	255	222	434	278	447	690	1260	1910	3940	2530	2210	1010
19	253	217	385	269	491	679	1340	1940	3830	2970	2180	991
20	252	223	363	247	565	695	1470	2030	2970	2890	2160	1010
21	265	223	359	249	572	801	1490	2120	2950	2770	2130	1010
22	262	236	350	246	530	904	1580	2120	3180	2520	2080	1050
23	263	223	333	233	533	806	1750	2080	3450	2540	2040	1070
24	246	229	307	255	542	772	1750	2080	3540	2510	2000	960
25	231	234	298	395	814	746	1800	2080	3740	2530	2000	942
26	229	244	293	562	789	729	1810	2090	3800	2530	2000	929
27	229	243	282	599	701	734	1820	2050	2780	2540	2010	869
28	230	242	277	500	809	718	1840	2020	2350	2600	1960	871
29	237	236	279	440		707	1880	2020	3780	2800	1790	838
30	249	238	279	433		711	2170	2030	3550	2940	1640	845
31	250		278	435		748		2060		3050	1560	
Mean	281	232	290	311	507	685	1319	2137	3047	3056	2337	1034
Ac-Ft	17280	13800	17850	19140	28180	42120	78470	131400	181300	187900	143700	61520

E — Estimated NR — No Record

Total Discharge in Acre-Feet 922700

TABLE 221

DAILY ELEVATION*
BIG SAGE RESERVOIR NEAR ALTURAS

In feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		19.95	20.35	20.95	21.95	24.35	24.10E	23.85E	23.40E	22.85E	22.35	21.40E
2		19.95	20.35	20.95	22.00	24.35	24.10E	23.85E	23.40E	22.85E	22.30	21.40E
3		19.95	20.35	21.00	22.05	24.30E	24.05E	23.80E	23.40E	22.85E	22.30	21.35E
4		19.95	20.35E	21.00	22.15	24.30E	24.05E	23.80E	23.35E	22.80E	22.25	21.35E
5		19.90	20.35E	21.00	22.20	24.30E	24.05E	23.80E	23.35E	22.80E	22.20	21.30E
6		19.90	20.35E	21.00	22.30	24.30E	24.05E	23.80E	23.30E	22.75E	22.15	21.25E
7		19.90	20.35E	21.00	22.40	24.30E	24.05E	23.80E	23.30E	22.75E	22.15	21.25E
8		19.90	20.35E	21.00	22.50	24.30E	24.05E	23.80E	23.30E	22.75E	22.10	21.20E
9		19.90	20.35E	21.00	22.55	24.25E	24.00E	23.75E	23.25E	22.70E	22.10	21.20E
10		19.90	20.35	21.00	22.60	24.25E	24.00E	23.75E	23.25E	22.70E	22.05	21.15E
11	20.00	19.90	20.35	21.00	22.65	24.25E	24.00E	23.75E	23.25E	22.65E	22.00	21.10E
12	19.95	19.90	20.35	21.00	22.75	24.25E	24.00E	23.75E	23.20E	22.65E	22.00	21.10E
13	20.00	19.90	20.35	21.05	22.85	24.25E	24.00E	23.75E	23.20E	22.65E	21.95	21.05E
14	20.00	19.90	20.40	21.05	22.95	24.25E	24.00E	23.75E	23.20E	22.60E	21.90	21.05E
15	20.00	19.90	20.40	21.05	23.05	24.20E	23.95E	23.70E	23.15E	22.60E	21.90	21.00E
16	20.00	20.00	20.40	21.10	23.25	24.20E	23.95E	23.70	23.15E	22.60E	21.90	20.95E
17	20.00	20.25	20.50	21.10	23.40	24.20E	23.95E	23.70E	23.15E	22.55	21.85	20.95E
18	20.00	20.25	20.55	21.10	23.45	24.20E	23.95E	23.70E	23.10E	22.55	21.80E	20.90
19	20.00	20.25	20.60	21.15	23.60	24.20E	23.95E	23.65E	23.10E	22.55	21.80E	20.90
20	20.00	20.25	20.60	21.15	23.75	24.20E	23.95E	23.65E	23.05E	22.55	21.75E	20.85
21	20.00	20.30	20.70	21.15	23.80	24.15E	23.90E	23.65E	23.05E	22.50	21.75E	20.85
22	20.00	20.30	20.80	21.15	23.80	24.15E	23.90E	23.60E	23.05E	22.50	21.70E	20.85
23	19.95	20.30	20.85	21.15	23.80	24.15E	23.90E	23.60E	23.00E	22.50	21.65E	20.85
24	19.95	20.35	20.85	21.15	23.90	24.15E	23.90E	23.55E	23.00E	22.50	21.65E	20.80
25	19.95	20.35	20.85	21.15	24.35	24.15E	23.90E	23.55E	22.95E	22.50	21.60E	20.75
26	19.95	20.35	20.90	21.15	24.40	24.15E	23.90E	23.55E	22.95E	22.50	21.60E	20.75
27	19.95	20.35	20.90	21.15	24.40	24.15E	23.85E	23.50E	22.95E	22.45	21.55E	20.75
28	19.95	20.35	20.95	21.20	24.40	24.10E	23.85E	23.50E	22.90E	22.45	21.50E	20.70
29	19.95	20.35	20.95	21.40		24.10E	23.85E	23.50E	22.90E	22.45	21.50E	20.70
30	19.95	20.35	20.95	21.70		24.10E	23.85E	23.45E	22.90E	22.45	21.45E	20.70
31	19.95		20.95	21.85		24.10E		23.45E		22.40	21.45E	

* Individual daily readings, 12:00 Noon.

TABLE 222

DAILY ELEVATION*
TULARE LAKE

In feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							180.00	187.76	187.87	186.05	180.90	
2							180.40	187.62	187.89	185.86	180.88	
3							180.90	187.56	187.90	185.70	180.88	
4							181.85	187.52	187.91	185.50	180.86	
5							182.32	187.48	187.92	185.32	180.84	
6							183.12	187.45	187.93	185.14	180.80	
7							183.74	187.36	187.95	184.82	180.75	
8							184.38	187.28	188.10	184.64	180.52	
9							185.10	187.20	188.10	184.45	180.34	
10							185.72	187.20	188.18	184.30	180.00	
11							185.96	187.21	188.25	184.12	180.00	
12							186.37	187.21	188.23	183.90		
13							186.84	187.21	188.08	183.74		
14							187.22	187.22	187.95	183.55		
15							187.56	187.19	187.82	183.45		
16							187.90	187.15	187.70	183.30		
17							188.32	187.09	187.52	183.10		
18							188.56	187.02	187.30	182.86		
19							188.78	187.96	187.23	182.70		
20							188.80	186.90	187.15	182.56		
21							188.80	186.94	187.07	182.32		
22							188.79	187.00	187.00	182.20		
23							188.78	187.10	186.90	182.00		
24							188.75	187.40	186.83	181.60		
25							188.70	187.65	186.76	181.20		
26							188.62	187.76	186.72	181.20		
27							188.44	187.85	186.65	181.18		
28							188.25	188.00	186.57	181.15		
29							188.10	188.00	186.39	181.10		
30							187.92	187.97	186.20	181.06		
31								187.92		181.02		

* Individual daily readings.

TABLE 223

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT KESWICK

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	12.2	11.9	13.3	NR	25.8	20.4	12.0	12.8	17	12.2	10.6	13.4	27.5	10.4	NR	15.6	12.8
2	12.2	11.9	13.4	22.4	23.8	22.1	12.0	14.8	18	12.8	10.7	13.4	25.6	10.3	NR	15.6	12.8
3	12.2	11.9	13.4	24.2	21.6	26.9	12.0	15.1	19	13.0	11.3	NR	22.5	10.4	NR	15.7	12.1
4	10.7	11.9	13.4	25.2	19.6	27.4	12.0	14.0	20	13.5	11.3	NR	28.4	10.4	NR	15.7	12.2
5	12.2	11.9	13.4	25.2	16.3	25.7	12.2	13.1	21	13.7	12.1	13.4	31.1	10.4	NR	15.7	12.2
6	12.1	12.0	13.4	25.0	13.6	24.9	12.3	12.8	22	13.7	11.6	13.4	29.4	10.5	14.6	15.7	12.2
7	12.1	11.7	13.4	24.6	13.2	28.9	13.2	12.8	23	13.7	11.5	13.4	26.0	10.5	14.6	15.7	12.2
8	11.0	10.5	13.4	25.2	11.8	27.1	14.0	12.8	24	13.7	12.2	13.7	20.4	13.7	14.6	15.7	12.2
9	10.5	11.2	13.4	25.2	11.8	23.4	14.0	12.8	25	13.6	12.2	14.6	23.5	14.5	14.6	15.7	12.2
10	10.9	11.9	13.4	25.1	11.8	20.7	14.0	12.8	26	13.0	12.8	14.7	26.9	14.5	13.3	15.2	12.2
11	12.1	11.9	13.4	25.1	11.8	18.2	14.7	12.8	27	12.8	13.3	14.6	26.8	14.4	11.8	14.6	12.2
12	12.1	11.3	14.5	21.9	11.8	NR	15.5	12.8	28	11.9	13.3	14.7	26.8	14.4	12.0	14.6	12.2
13	12.8	11.2	14.4	27.9	10.4	14.5	15.7	12.8	29	11.9	13.3	16.2		14.5	12.0	13.4	12.2
14	13.2	11.3	13.7	24.2	10.4	NR	15.7	12.8	30	11.9	13.3	NR		17.2	12.0	12.8	12.2
15	13.4	10.5	13.4	23.0	10.4	NR	15.7	12.8	31		13.3	NR		22.8		12.8	
16	12.3	10.5	13.4	24.6	10.3	NR	15.7	12.8									

Crest Stages:								
Date	1-12-58	1-30-58	2- 7-58	2-13-58	2-18-58	2-21-58	3-31-58	4- 7-58
Time	3:30 PM	10:30 PM	9:00 AM	8:30 AM	12:30 PM	8:30 AM	2:30 PM	8:00 AM
Stage	15.7	25.1	26.2	28.7	29.0	31.6	23.3	29.2

NR — No Record

TABLE 224

DAILY MEAN GAGE HEIGHT
CLEAR CREEK NEAR IGO

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb	Mar	Apr.	May	June
1	3.2	3.1	4.1	5.5	6.0	7.0	4.3	3.5	17	3.8	4.8	4.3	7.0	4.4	5.2	3.8	3.2
2	3.1	3.1	4.4	6.3	5.7	8.3	4.3	3.9	18	3.7	5.4	4.2	8.8	4.4	5.1	3.8	3.2
3	3.1	3.1	4.2	7.6	5.6	7.1	4.2	3.7	19	3.6	4.8	4.1	10.6	4.3	5.0	3.8	3.2
4	3.1	3.1	4.1	8.2	5.4	6.5	4.2	3.5	20	3.5	4.6	4.0	8.4	5.3	4.9	3.8	3.2
5	3.0	3.1	4.0	8.1	5.3	6.4	4.2	3.5	21	3.4	6.3	3.9	7.3	7.0	4.9	3.7	3.2
6	3.0	3.1	4.0	7.3	5.2	7.0	4.2	3.5	22	3.4	5.6	3.9	6.8	7.2	4.8	3.7	3.1
7	3.0	3.0	3.9	9.1	5.1	6.4	4.1	3.5	23	3.4	5.0	3.9	6.4	7.0	4.7	3.8	3.1
8	3.0	3.0	3.8	7.9	5.0	6.0	4.1	3.5	24	3.3	4.6	4.3	9.8	7.6	4.6	3.7	3.1
9	3.0	3.0	3.9	7.3	4.8	5.7	4.1	3.5	25	3.3	4.4	4.6	8.4	6.7	4.5	3.6	3.1
10	3.0	3.0	4.2	6.8	4.8	5.6	4.1	3.4	26	3.2	4.2	5.6	7.2	6.2	4.5	3.6	3.1
11	3.1	3.0	4.1	6.5	4.7	5.5	4.2	3.5	27	3.2	4.1	5.2	6.6	5.8	4.4	3.6	3.0
12	3.0	3.0	5.7	7.4	4.7	5.4	4.1	3.4	28	3.2	4.4	5.7	6.3	5.6	4.4	3.6	3.0
13	4.7	3.0	5.4	6.8	4.7	5.4	4.0	3.3	29	3.2	4.4	7.5		6.8	4.3	3.5	3.0
14	5.3	3.0	4.9	6.8	4.6	5.4	3.9	3.3	30	3.1	4.3	6.9		6.5	4.3	3.5	3.0
15	4.4	3.2	4.7	7.0	4.6	5.3	3.9	3.3	31		4.2	6.0		6.0		3.5	
16	4.0	4.2	4.4	7.5	4.5	5.2	3.9	3.2									

Crest Stages								
Date	12-21-57	1-12-58	1-29-58	2- 7-58	2-18-58	2-24-58	3-24-58	4- 2-58
Time	8:00 AM	1:00 PM	10:00 AM	11:00 AM	11:00 PM	3:00 PM	1:00 AM	10:00 AM
Stage	7.3	6.7	8.8	10.2	11.3	11.9	8.2	9.4

NR – No Record

TABLE 225

DAILY MEAN GAGE HEIGHT
COTTONWOOD CREEK NEAR COTTONWOOD

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec.	Jan	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	2.9	2.9	4.0	5.6	7.0	7.2	NR	NR	17	3.6	4.3	4.4	7.8	5.1	5.9	NR	NR
2	2.8	2.8	4.8	7.4	6.7	8.0	NR	NR	18	3.6	5.3	NR	10.1	5.0	NR	NR	NR
3	2.8	2.8	4.2	7.7	6.5	7.4	NR	NR	19	3.6	4.3	NR	13.9	5.0	NR	NR	NR
4	2.8	2.8	4.0	9.5	6.2	6.8	NR	NR	20	3.5	4.1	NR	10.3	6.0	NR	NR	NR
5	2.8	2.9	3.9	8.2	6.0	7.0	NR	NR	21	3.4	5.6	NR	8.7	7.4	NR	NR	NR
6	2.8	2.8	3.8	6.8	5.8	9.1	NR	NR	22	3.3	5.7	NR	7.9	8.0	NR	NR	NR
7	2.8	2.8	3.7	8.4	5.7	7.6	NR	NR	23	3.2	4.6	NR	7.5	7.3	NR	NR	NR
8	2.8	2.8	3.6	7.8	5.6	6.6	NR	NR	24	3.2	4.2	NR	11.8	7.4	NR	NR	NR
9	2.8	2.8	3.5	7.6	5.4	6.4	NR	NR	25	3.1	4.0	NR	11.7	7.0	NR	NR	NR
10	2.7	2.8	5.6	7.0	5.4	6.2	NR	NR	26	3.1	4.0	NR	8.9	6.4	NR	NR	NR
11	2.7	2.8	4.6	6.1	5.3	6.2	NR	NR	27	3.0	4.0	NR	8.0	6.1	NR	NR	NR
12	2.8	2.7	5.4	10.7	5.2	6.2	NR	NR	28	3.0	5.6	NR	7.4	5.9	NR	NR	NR
13	3.3	2.7	5.6	8.0	5.5	6.1	NR	NR	29	2.9	5.3	7.9		6.7	NR	NR	NR
14	5.4	2.7	4.7	9.3	5.4	6.1	NR	NR	30	2.9	4.6	8.4		7.3	NR	NR	NR
15	4.4	2.8	4.7	9.2	5.6	6.0	NR	NR	31		4.2	6.5		6.3		NR	
16	3.9	4.0	4.6	8.5	5.2	5.9	NR	NR									

Crest Stages:								
Date	12-28-57	1-29-58	2- 4-58	2-12-58	2-19-58	2-24-58	3-22-58	4- 6-58
Time	4:30 PM	8:30 PM	5:00 PM	12:00 Mid.	5:00 AM	11:00 PM	2:00 AM	4:00 AM
Stage	7.9	10.7	11.0	12.5	15.2	14.6	9.4	11.4

NR – No Record

TABLE 226

DAILY MEAN GAGE HEIGHT
BATTLE CREEK NEAR COTTONWOOD

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June
1	2.8	2.9	3.3	4.0	4.4	5.5	3.8	3.8	17	3.2	3.8	3.4	4.8	3.7	4.1	4.2	3.8
2	2.8	2.9	3.9	4.4	4.2	5.4	3.9	3.8	18	3.1	4.3	3.4	5.1	3.7	4.1	4.3	3.8
3	2.8	2.9	3.5	5.1	4.2	4.9	3.9	3.9	19	3.1	3.5	3.3	6.3	3.6	4.0	4.3	3.8
4	2.8	2.9	3.3	5.1	4.1	4.4	4.0	3.8	20	3.1	3.5	3.3	5.0	4.6	4.0	4.3	3.7
5	2.8	2.9	3.3	4.6	4.0	4.3	4.0	3.7	21	3.1	4.0	3.2	4.6	6.2	4.1	4.2	3.7
6	2.8	2.9	3.2	4.2	4.0	4.7	4.1	3.7	22	3.0	3.8	3.2	4.5	5.5	4.1	4.3	3.7
7	2.8	2.9	3.2	4.2	3.9	4.2	4.1	3.6	23	3.0	3.4	3.3	4.5	4.8	4.0	4.4	3.7
8	2.8	2.9	3.2	4.2	3.9	4.1	4.1	3.7	24	3.0	3.3	5.0	7.4	4.6	3.8	4.2	3.7
9	2.8	2.9	3.2	4.3	3.8	4.0	4.1	4.0	25	3.0	3.2	4.3	6.6	4.4	3.8	4.2	3.6
10	2.9	2.9	4.2	4.2	3.8	4.0	4.2	3.8	26	3.0	3.5	5.8	5.3	4.1	3.8	4.1	3.5
11	3.0	2.9	3.6	4.1	3.8	4.0	4.7	3.7	27	3.0	3.3	4.0	4.8	4.0	3.8	4.1	3.5
12	2.9	2.9	4.0	5.6	3.8	4.0	4.9	5.8	28	3.0	4.3	3.8	4.6	3.9	3.8	3.9	3.4
13	3.2	2.9	3.8	4.9	3.8	4.0	4.3	4.4	29	2.9	3.8	4.7		4.4	3.8	3.9	3.4
14	4.6	2.9	3.5	5.4	4.1	4.0	4.1	4.0	30	2.9	3.5	4.9		5.0	3.8	3.8	3.4
15	3.5	3.0	3.7	5.5	4.1	4.0	4.1	3.9	31		3.4	4.2		4.2		3.8	
16	3.3	4.5	3.6	5.1	3.8	4.0	4.2	3.8									

Crest Stages:							
Date	1-24-58	1-29-58	2-19-58	2-24-58	3-21-58	3-29-58	4- 1-58	6-12-58
Time	5:00 PM	8:00 PM	1:00 AM	6:00 PM	3:00 AM	11:00 PM	6:00 AM	2:00 AM
Stage	7.0	8.0	7.0	10.3	7.3	7.3	7.7	7.2

NR — No Record

TABLE 227

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER NEAR RED BLUFF

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec	Jan	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	3.1	3.0	4.6	12.8	15.2	13.2	4.0	3.8	17	3.7	5.0	5.0	17.0	4.0	4.9	5.6	3.8
2	3.1	3.0	5.7	12.6	13.4	14.2	4.0	4.3	18	3.7	5.8	4.8	18.6	3.9	4.9	5.5	3.7
3	3.1	3.0	5.1	15.0	11.5	16.4	4.0	5.4	19	4.0	4.4	4.6	23.4	3.8	4.7	5.6	3.5
4	2.8	3.0	4.8	17.6	9.8	16.5	4.0	4.8	20	3.9	4.4	4.2	19.5	5.1	4.5	5.5	3.4
5	2.8	3.0	4.6	17.3	8.0	16.1	4.0	4.2	21	4.1	5.9	4.5	20.6	9.4	4.9	5.5	3.3
6	3.1	3.0	4.4	15.0	6.4	15.9	4.1	3.8	22	4.1	6.7	4.4	20.1	10.1	5.8	5.5	3.3
7	3.1	3.0	4.4	16.0	5.7	16.9	4.3	3.9	23	4.1	4.6	4.4	16.6	8.0	5.7	5.6	3.3
8	2.9	2.5	4.3	16.0	5.2	16.6	4.6	3.9	24	4.0	4.4	7.0	18.1	8.5	5.5	5.5	3.3
9	2.3	2.4	4.3	15.7	4.8	13.4	4.8	4.8	25	4.0	4.2	8.4	19.6	9.6	5.4	5.5	3.2
10	2.4	3.0	6.1	15.7	4.7	10.7	4.8	4.2	26	3.7	4.2	12.6	17.9	7.7	5.0	5.3	3.2
11	3.0	3.0	6.1	14.3	4.6	9.1	5.1	4.0	27	3.7	4.6	7.8	16.7	7.0	4.3	4.9	3.1
12	3.1	2.8	6.4	18.5	4.5	7.6	6.0	4.7	28	3.2	5.8	7.7	16.0	6.7	4.1	4.8	3.1
13	3.9	2.7	8.6	16.5	4.5	6.6	5.9	4.3	29	3.1	6.2	10.2		7.3	4.0	4.4	3.1
14	8.7	2.7	6.1	18.0	4.4	6.5	5.7	4.0	30	3.0	5.2	14.3		10.8	4.0	4.0	3.1
15	5.2	2.6	5.5	16.9	4.9	6.0	5.6	3.9	31		4.8	13.6		10.9		3.8	
16	4.2	4.2	5.4	16.1	4.2	5.2	5.6	3.8									

Crest Stages:							
Date	1-26-58	1-30-58	2- 4-58	2-12-58	2-19-58	3-22-58	3-30-58	4-7-58
Time	11:00 AM	1:30 AM	12:00 Mid.	3:00 PM	11:00 AM	10:30 AM	5:00 AM	8:00 PM
Stage	16.0	16.0	19.3	22.0	25.0	12.2	13.8	17.5

NR — No Record

TABLE 228

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT RED BLUFF

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	a 5.7	5.7	7.6	16.2	18.3	16.8	7.0	6.8	17	a 6.6	8.0	8.0	19.5	7.0	8.1	8.8	6.7
2	a 5.7	5.6	8.9	16.2	16.9	17.6	7.0	7.3	18	a 6.4	9.0	7.8	21.0	6.9	8.1	8.8	6.7
3	a 5.7	5.6	8.2	18.4	14.4	19.4	7.0	8.6	19	a 6.7	7.3	7.4	24.7	6.7	7.8	8.9	6.5
4	a 5.6	5.6	7.7	20.4	13.5	19.5	7.0	7.9	20	a 6.6	7.3	7.0	21.4	8.2	7.6	8.8	6.3
5	a 5.6	5.7	7.5	20.1	11.8	19.2	7.0	7.2	21	a 6.9	8.7	7.4	22.0	13.2	8.0	8.8	6.2
6	a 5.6	5.7	7.3	18.0	9.9	19.2	7.2	6.8	22	a 6.9	10.1	7.3	21.8	14.0	9.1	8.7	6.2
7	a 5.6	5.6	7.2	19.0	9.0	19.6	7.4	6.8	23	a 6.7	7.6	7.3	19.1	11.9	9.0	8.8	6.2
8	a 5.7	5.1	7.1	18.8	8.6	19.5	7.7	6.8	24	a 6.8	7.3	10.3	20.8	12.4	8.8	8.8	6.2
9	a 4.8	4.8	7.1	18.6	8.0	16.9	7.9	8.0	25	a 6.9	7.0	11.8	21.8	13.3	8.7	8.7	6.1
10	a 4.1	5.6	9.3	18.7	7.9	14.5	8.0	7.3	26	6.5	7.0	16.2	20.3	11.4	8.2	8.6	6.1
11	a 5.3	5.6	9.3	17.5	7.8	12.9	8.3	7.0	27	6.4	7.5	11.3	19.4	10.7	7.4	8.1	6.0
12	a 5.6	5.4	9.6	21.1	7.6	11.3	9.4	7.7	28	5.9	8.8	11.2	18.8	10.3	7.1	8.0	6.0
13	a 5.6	5.2	12.3	19.2	7.7	10.1	9.2	7.4	29	5.7	9.5	13.6		11.2	7.0	7.6	6.0
14	a 14.8	5.2	9.4	20.6	7.5	10.0	9.0	7.1	30	5.7	8.3	17.5		14.4	7.0	7.0	6.0
15	a 8.6	5.1	8.6	20.0	8.2	9.4	8.9	6.9	31		7.8	16.8		14.7		6.8	
16	a 7.6	7.0	8.5	18.9	7.4	8.4	8.9	6.8									

Crest Stages:								
Date	1-26-58	2- 4-58	2-12-58	2-19-58	2-24-58	3-22-58	4- 2-58	4- 6-58
Time	11:00 AM	11:45 PM	4:00 PM	1:00 PM	10:00 PM	11:00 AM	9:30 PM	10:00 AM
Stage	19.2	21.7	23.4	25.8	24.6	15.7	20.2	20.2

NR — No Record
a Individual daily wire weight gage reading, 6:00 AM.

TABLE 229

DAILY MEAN GAGE HEIGHT
ANTELOPE CREEK NEAR RED BLUFF

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1	3.4	3.4	4.0	5.0	5.3	7.6	4.3	4.1	17	3.7	5.0	4.3	5.8	4.4	4.6	4.8	4.2
2	3.4	3.4	5.5	5.9	5.0	7.7	4.3	4.2	18	3.6	5.4	4.1	6.5	4.3	4.6	4.8	4.1
3	3.4	3.4	4.5	6.9	4.8	6.9	4.4	4.2	19	3.6	4.6	4.0	7.9	4.2	4.5	4.8	4.1
4	3.4	3.4	4.2	6.6	4.7	5.9	4.4	4.1	20	3.6	4.2	4.0	6.4	6.3	4.5	4.8	4.0
5	3.4	3.4	4.1	6.2	4.6	5.7	4.5	4.0	21	3.6	4.5	3.9	5.8	8.6	4.5	4.7	3.9
6	3.4	3.4	4.0	5.6	4.5	6.4	4.5	4.0	22	3.5	4.6	3.8	5.5	7.0	4.5	4.6	3.9
7	3.4	3.4	3.9	5.6	4.4	5.6	4.5	4.0	23	3.5	4.2	3.8	5.3	6.8	4.5	4.7	3.9
8	3.4	3.4	3.8	5.6	4.4	5.2	4.5	4.0	24	3.5	4.1	6.2	10.1	6.2	4.4	4.6	3.8
9	3.4	3.4	3.8	6.0	4.3	4.9	4.6	4.0	25	3.5	4.0	5.9	8.2	5.7	4.3	4.5	3.8
10	3.4	3.4	5.4	5.8	4.2	4.8	4.7	4.0	26	3.5	4.0	8.0	6.6	5.3	4.3	4.4	3.7
11	3.5	3.4	4.6	5.3	4.2	4.7	4.9	4.0	27	3.5	3.9	5.6	6.0	5.0	4.2	4.4	3.7
12	3.5	3.4	5.2	7.5	4.2	4.7	5.6	6.0	28	3.4	4.4	5.0	5.6	4.8	4.2	4.3	3.6
13	3.5	3.4	5.2	6.5	4.5	4.7	5.0	5.1	29	3.4	4.4	6.4		5.2	4.3	4.2	3.6
14	4.4	3.4	4.6	6.1	4.8	4.7	4.8	4.6	30	3.4	4.2	6.3		6.5	4.3	4.2	3.6
15	4.0	3.8	4.6	6.6	4.8	4.6	4.7	4.4	31		4.0	5.4		5.4		4.2	
16	3.8	6.0	4.5	6.1	4.5	4.6	4.7	4.3									

Crest Stages:								
Date	12-16-57	1- 2-58	1-26-58	2-19-58	2-24-58	3-21-58	4- 1-58	6-12-58
Time	1:30 PM	8:00 AM	8:00 AM	1:00 AM	5:00 PM	1:30 AM	5:00AM	12:40 PM
Stage	7.4	6.2	9.7	8.9	12.4	10.2	9.8	7.6

NR — No Record

TABLE 230

DAILY MEAN GAGE HEIGHT
MILL CREEK NEAR LOS MOLINOS

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr.	May	June
1	1.6	1.6	2.1	3.0	3.2	5.7	3.1	3.1	17	2.0	3.8	2.1	4.4	2.3	3.3	3.9	3.4
2	1.5	1.6	3.2	4.1	3.0	6.1	3.2	3.3	18	1.9	4.3	2.0	4.6	2.2	3.3	4.0	3.4
3	1.5	1.6	2.4	4.9	2.8	5.0	3.3	3.3	19	1.9	2.9	1.9	5.6	2.2	3.3	4.0	3.3
4	1.5	1.6	2.2	4.5	2.6	3.8	3.5	3.0	20	1.8	2.6	1.9	4.6	4.3	3.3	3.9	3.2
5	1.5	1.6	2.0	4.7	2.5	3.7	3.6	3.1	21	1.8	3.1	1.8	3.9	6.5	3.4	3.8	3.2
6	1.5	1.6	2.0	3.9	2.5	4.3	3.7	3.0	22	1.7	3.2	1.8	3.6	4.9	3.5	3.8	3.2
7	1.5	1.6	1.9	3.7	2.4	3.4	3.6	3.0	23	1.7	2.6	1.8	3.5	5.0	3.2	3.8	3.2
8	1.5	1.5	1.9	3.8	2.4	3.0	3.6	2.9	24	1.7	2.4	3.0	7.6	4.4	2.9	3.6	3.0
9	1.5	1.5	1.9	4.3	2.2	2.9	3.8	3.1	25	1.7	2.2	3.0	6.5	3.8	2.8	3.6	2.8
10	1.6	1.5	2.8	3.9	2.2	2.9	3.9	3.0	26	1.7	2.2	5.3	4.8	3.3	2.7	3.6	2.8
11	1.6	1.5	2.4	3.4	2.2	3.0	4.4	3.0	27	1.6	2.1	3.2	4.1	3.0	2.7	3.6	2.8
12	1.6	1.5	3.3	6.3	2.3	3.1	4.4	4.9	28	1.6	2.5	2.6	3.6	2.8	2.7	3.3	2.6
13	2.2	1.5	3.0	4.9	2.4	3.1	3.7	3.8	29	1.6	2.6	4.8		3.4	2.9	3.2	2.6
14	4.7	1.5	2.4	4.3	2.7	3.2	3.5	3.5	30	1.6	2.3	4.8		4.7	2.9	3.2	2.5
15	2.7	2.0	2.3	4.7	2.7	3.2	3.6	3.4	31		2.2	3.6		3.4		3.3	
16	2.2	4.5	2.2	4.8	2.4	3.2	3.7	3.5									

Crest Stages:								
Date	11-14-57	1-26-58	2- 2-58	2-12-58	2-18-58	2-24-58	3-21-58	4- 1-58
Time	4:00 AM	8:00 AM	10:00 PM	10:00 AM	12:00 Mid.	4:00 PM	2:00 AM	6:00 AM
Stage	6.3	7.4	6.1	7.6	6.0	10.6	7.7	7.6

NR — No Record

TABLE 231

DAILY MEAN GAGE HEIGHT
THOMES CREEK AT PASKENTA

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	2.0	2.0	3.1	3.8	3.9	3.4	3.4	2.6	17	2.8	3.0	3.2	5.4	2.6	4.3	3.2	2.2
2	2.0	2.0	3.2	4.5	3.7	3.7	3.6	2.6	18	2.7	3.2	3.2	6.8	2.6	4.1	3.3	2.2
3	1.9	2.0	3.0	4.1	3.5	3.4	3.6	2.6	19	2.7	2.9	3.0	7.5	2.6	4.0	3.2	2.4
4	1.9	2.0	2.9	4.8	3.4	3.2	3.6	2.5	20	2.6	3.4	3.0	5.8	3.5	4.1	3.1	2.3
5	1.9	2.0	2.8	4.2	3.3	3.6	3.6	2.4	21	2.5	4.5	2.9	4.9	4.0	4.1	3.2	2.2
6	1.9	2.0	2.7	3.9	3.2	3.5	3.6	2.4	22	2.4	3.9	2.8	4.4	3.7	4.1	3.2	2.1
7	1.8	1.9	2.7	4.9	3.1	3.2	3.5	2.4	23	2.4	3.4	2.8	4.2	3.5	3.7	3.2	2.1
8	1.9	1.9	2.6	4.5	3.0	3.2	3.5	2.4	24	2.3	3.1	3.3	7.8	3.4	3.4	3.0	2.0
9	1.9	1.9	2.7	4.4	2.9	3.2	3.6	2.5	25	2.2	3.1	3.8	6.7	3.3	3.3	2.9	2.0
10	1.9	1.9	3.5	4.0	2.9	3.5	3.6	2.4	26	2.2	3.2	3.8	5.2	3.2	3.2	2.8	1.9
11	2.0	1.9	3.2	4.0	2.8	3.8	3.7	2.4	27	2.1	3.1	3.3	4.6	3.2	3.2	2.8	1.9
12	1.9	1.8	3.3	6.9	2.8	4.0	3.4	2.4	28	2.1	4.5	3.7	4.2	3.1	3.3	2.8	1.8
13	4.0	1.8	3.2	5.2	2.7	4.2	3.2	2.3	29	2.1	4.2	6.4		3.5	3.3	2.7	1.8
14	5.0	1.8	3.0	5.4	2.7	4.2	3.1	2.2	30	2.0	3.6	5.5		3.4	3.3	2.6	1.8
15	3.4	2.0	3.1	6.3	2.7	4.2	3.0	2.3	31		3.3	4.2		3.2		2.6	
16	3.0	3.0	3.2	6.2	2.6	4.2	3.1	2.3									

Crest Stages:								
Date	11-13-57	12-28-57	1-25-58	1-29-58	2- 4-58	2-12-58	2-18-58	2-24-58
Time	12:00 Mid.	4:00 PM	10:00 PM	2:30 PM	9:30 AM	8:00 AM	10:00 PM	4:00 PM
Stage	6.7	5.7	5.2	8.0	5.3	7.9	9.0	9.8

NR — No Record

TABLE 232

DAILY MEAN GAGE HEIGHT
DEER CREEK NEAR VINA

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	2.5	2.5	3.2	4.3	4.8	6.8	4.3	3.7	17	2.9	4.8	3.3	5.4	3.7	4.7	4.5	3.6
2	2.5	2.5	NR	5.0	4.6	7.3	4.3	3.7	18	2.9	5.2	3.2	5.4	3.6	4.6	4.5	3.5
3	2.5	2.5	NR	5.9	4.4	6.4	4.4	3.9	19	2.8	4.0	3.1	5.4	3.6	4.6	4.5	3.5
4	2.5	2.5	3.3	5.7	4.2	5.6	4.4	3.7	20	2.8	3.7	3.1	5.8	5.2	4.6	4.4	3.5
5	2.5	2.5	3.2	6.0	4.1	5.4	4.5	3.6	21	2.7	4.0	3.0	5.3	7.5	4.6	4.3	3.4
6	2.5	2.5	3.1	5.3	4.0	5.4	4.5	3.6	22	2.7	4.1	3.0	5.0	6.5	4.8	4.3	3.4
7	2.5	2.5	3.0	5.1	3.9	5.9	4.5	3.5	23	2.7	3.7	3.0	4.9	6.4	4.5	4.3	3.4
8	2.5	2.5	3.0	5.0	3.9	4.6	4.5	3.5	24	2.6	3.5	3.6	7.5	6.0	4.3	4.2	3.3
9	2.5	2.5	3.0	5.1	3.8	4.5	4.5	3.6	25	2.6	3.3	3.7	8.2	5.4	4.2	4.1	3.3
10	2.5	2.5	NR	4.9	3.7	4.5	4.6	3.5	26	2.6	3.3	5.4	6.4	5.0	4.2	4.1	3.2
11	2.7	2.5	NR	4.6	3.6	4.6	5.0	3.5	27	2.6	3.2	4.3	5.7	4.6	4.1	4.0	3.2
12	2.6	2.5	NR	6.4	3.7	4.6	5.1	4.6	28	2.6	NR	3.9	5.2	4.4	4.1	3.9	3.2
13	2.9	2.5	NR	6.0	3.7	4.6	4.7	4.3	29	2.6	NR	5.2		4.9	4.2	3.8	3.1
14	4.8	2.5	NR	5.4	3.8	4.7	4.6	3.9	30	2.6	3.4	5.8		5.8	4.2	3.8	3.1
15	3.4	2.8	3.5	5.4	3.9	4.7	4.5	3.8	31		3.3	4.8		5.1		3.7	
16	3.1	5.1	3.4	5.6	3.8	4.6	4.5	3.7									

Crest Stages:								
	Date	12-16-57	1-29-58	2-12-58	2-24-58	3-21-58	3-23-58	3-29-58	4- 1-58
	Time	1:00 PM	4:00 PM	10:00 AM	6:00 PM	1:00 AM	3:00 PM	11:00 PM	5:00 AM
	Stage	6.7	6.7	6.9	10.7	8.4	6.8	7.2	8.5

NR – No Record

TABLE 233

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT VINA BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	68.2	68.1	70.3	78.7	81.0	80.0E	69.8E	69.3	17	69.2	71.3	70.8	82.4	69.7	71.2E	71.5E	69.1
2	68.2	68.1	72.1	78.9	79.5	80.5	69.8E	69.4	18	68.9	72.3	70.5	83.8	69.5	71.1E	71.4E	69.1
3	68.1	68.1	71.2	81.8	77.7E	82.5	69.8E	70.8	19	69.2	70.6	70.2	88.8	69.3	70.9E	71.4E	68.9
4	68.1	68.0	70.4	83.5	76.1E	82.0	69.9E	70.4	20	69.2	70.0	69.6	86.4	71.2E	70.6E	71.4E	68.7
5	67.5	68.1	70.1	84.4	75.4E	81.7	69.9E	69.7	21	69.3	70.4	69.9	84.8	78.1	70.6E	71.4E	68.6
6	68.1	68.1	69.9	81.2	73.5E	82.5	69.9E	69.3	22	69.3	73.6	69.8	84.8	78.1	71.6E	71.4E	68.6
7	68.1	68.0	69.8	81.6	71.2E	81.7	70.0E	69.2	23	69.2	70.8	69.7	82.8	75.4E	71.7E	71.4E	68.5
8	68.1	67.8	69.7	82.2	70.9E	82.2	70.2E	69.2	24	69.2	70.0	72.2	83.8	75.0E	71.4E	71.4E	68.5
9	67.5	67.4	69.6	81.6	70.6E	80.0	70.5E	69.9	25	69.1	69.8	75.6	87.8	76.6E	71.2E	71.3E	68.4
10	67.4	67.8	72.0	82.2	70.4E	77.0E	70.6E	69.8	26	68.9	69.6	80.3	83.7	75.4	71.1E	71.1E	68.4
11	67.7	68.0	72.3	80.2	70.2	75.6E	70.9E	69.4	27	68.7	70.0	75.9	82.5	74.1	70.4E	70.7E	68.3
12	68.1	67.9	71.7	84.0	70.2	74.4E	72.0E	70.1	28	68.4	70.5	73.3	81.6	73.3	69.7E	70.4E	68.3
13	68.2	67.7	75.3	83.2	70.2	73.1E	72.0E	70.3	29	68.2	73.0	76.0		74.0E	69.8E	70.1	68.3
14	73.9	67.7	72.3	83.4	70.1	72.5E	71.7E	69.6	30	68.1	71.2	80.6		78.4E	69.8E	69.6	68.2
15	71.4	67.7	71.3	83.9	70.5	72.4E	71.6E	69.4	31		70.6	79.7		76.5E		69.3	
16	70.0	69.8	71.3	82.2	70.3	71.7E	71.5E	69.2									

Crest Stages:								
	Date	2- 5-58	2- 7-58	2-12-58	2-15-58	2-19-58	2-21-58	2-22-58	2-25-58
	Time	7:00 AM	11:45 PM	10:00 PM	3:00 AM	8:00 PM	12:00 Noon	10:30 AM	3:00 AM
	Stage	85.3	83.3	86.6	84.4	89.1	85.0	84.9	89.4

NR – No Record E – Estimated

TABLE 234

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT HAMILTON CITY

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb	Mar.	Apr	May	June		Nov	Dec.	Jan	Feb	Mar	Apr	May	June
1	29.3	29.3	31.2	38.8	41.3	39.7	30.7	30.0	17	30.3	32.1	31.7	42.5	31.4	31.6E	31.9	29.7
2	29.3	29.2	32.6	38.7	40.2	40.3	30.6	29.9	18	30.0	32.8	31.4	43.2	31.2	31.4	31.9	29.6
3	29.3	29.2	32.4	41.8	38.6	42.7	30.7	31.0	19	30.2	31.8	31.2	47.9	31.0	31.6	31.9	29.5
4	29.3	29.2	31.5	43.0	37.2	42.0	30.7	30.9	20	30.2	30.9	30.7	47.7	31.5	31.8	31.8	29.2
5	28.8	29.2	31.1	44.7E	35.9	41.7	30.6	30.4	21	30.3	31.1	30.8	44.9	38.3	31.9	31.7	29.2
6	29.2	29.2	30.9	42.1	34.3	42.6	30.7	29.9	22	30.3	33.9	30.8	45.0	38.9	32.8	31.7	29.1
7	29.2	29.2	30.8	41.2	33.3	41.7	30.7	29.8	23	30.3	31.9	30.8	43.5E	36.9	32.8	31.8	29.0
8	29.2	29.1	30.7	42.6	32.9	42.2	30.9	29.7	24	30.2	31.0	32.1	42.9E	36.5	32.6	31.9	29.0
9	28.8	28.6	30.6	41.7	32.4	40.6	31.1	30.2	25	30.2	30.8	36.2	48.2	36.8	32.4	31.7	29.0
10	28.6	28.9	32.1	42.8	32.2	38.0	31.2	30.5	26	30.1	30.6	39.6	44.5	35.4	32.2	31.6	28.9
11	28.8	29.2	33.2	40.7	32.0	36.5	31.5	30.0	27	29.8	30.8	38.1	43.1	34.5	31.6	31.3	28.8
12	29.3	29.1	32.2	42.7	31.8	35.4	32.4	30.3	28	29.7	31.0	34.1	42.0	34.0	31.2	31.0	28.7
13	29.3	28.9	35.6	44.2	31.9	34.3	32.5	31.0	29	29.3	33.6	35.7		34.0	31.1	30.8	28.7
14	33.4	28.9	33.4	43.0	31.7	34.0	32.2	30.2	30	29.3	32.2	40.1		38.1	30.8	30.3	28.7
15	32.7	28.9	32.2	44.1	32.4	33.7	32.0	30.0	31		31.5	39.9		36.8		30.0	
16	31.2	30.1	32.2	42.5	31.8	33.1E	32.0	29.8									

Crest Stages:								
	Date	2- 5-58	2- 8-58	2-10-58	2-13-58	2-15-58	2-19-58	2-25-58	4- 3-58
	Time	2:30E PM	5:30 AM	7:00 AM	5:00 AM	11:00 AM	11:00 PM	8:00 AM	9:00 AM
	Stage	45.1E	43.2	43.2	45.9	44.4	49.0	49.2	43.1

NR — No Record E - Estimated

TABLE 235

DAILY MEAN GAGE HEIGHT
BIG CHICO CREEK NEAR CHICO

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June		Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June
1	2.4	2.4	2.9	4.4	4.3	6.9	3.0	2.4	17	2.8	4.8	3.3	5.3	3.4	3.8	2.6	2.4
2	2.4	2.4	3.6	4.7	4.0	7.5	3.0	2.5	18	2.7	5.6	3.2	5.3	3.4	3.7	2.6	2.3
3	2.4	2.4	3.5	5.9	3.8	7.2	2.9	2.5	19	2.6	4.0	3.1	6.5	3.3	3.6	2.6	2.4
4	2.4	2.4	3.3	5.9	3.7	5.8	2.9	2.5	20	2.6	3.7	3.0	5.8	5.1	3.5	2.6	2.3
5	2.4	2.4	3.1	6.1	3.5	5.3	2.9	2.4	21	2.6	4.1	2.9	5.0	8.4	3.5	2.6	2.3
6	2.4	2.4	3.0	5.5	3.5	5.3	2.9	2.4	22	2.5	4.2	2.9	4.5	6.9	3.4	2.6	2.3
7	2.4	2.4	2.9	5.5	3.4	5.0	2.8	2.4	23	2.5	3.8	2.9	4.2	6.7	3.4	2.6	2.3
8	2.4	2.4	2.9	5.4	3.4	4.6	2.8	2.4	24	2.5	3.5	3.6	7.2	6.5	3.3	2.6	2.3
9	2.4	2.4	2.8	5.4	3.2	4.4	2.8	2.5	25	2.5	3.2	4.1	7.4	5.8	3.2	2.5	2.3
10	2.8	2.4	3.5	5.3	3.2	4.4	2.8	2.4	26	2.4	3.1	6.2	6.0	5.1	3.2	2.5	2.3
11	2.7	2.4	3.6	4.8	3.2	4.3	2.9	2.4	27	2.4	3.0	4.9	5.1	4.7	3.1	2.5	2.3
12	2.5	2.4	4.0	7.2	3.2	4.3	2.9	2.8	28	2.4	3.0	4.3	4.6	4.4	3.1	2.5	2.2
13	3.0	2.4	4.1	6.0	3.2	4.2	2.8	2.7	29	2.4	3.1	6.6		4.8	3.0	2.4	2.2
14	4.1	2.4	3.8	5.3	3.4	4.1	2.8	2.5	30	2.4	3.0	6.2		6.3	3.0	2.4	2.2
15	3.2	2.8	3.6	5.5	3.5	4.0	2.7	2.4	31		3.0	5.0		5.5		2.4	
16	2.9	5.3	3.4	5.8	3.5	3.9	2.7	2.4									

Crest Stages:								
	Date	11-14-57	12-16-57	1-29-58	2-12-58	2-19-58	2-24-58	3-21-58	4- 2-58
	Time	3:00 AM	2:00 PM	4:30 PM	10:00 AM	9:00 AM	6:00 PM	2:30 AM	12:30 PM
	Stage	4.7	8.0	8.9	8.6	6.9	11.1	9.2	8.6

NR — No Record

TABLE 236

DAILY MEAN GAGE HEIGHT
STONY CREEK NEAR HAMILTON CITY

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	4.8	4.9	6.7	9.2	9.6	9.3	5.5	4.9	17	5.8	6.2	6.8	10.8	5.8	7.5	6.1	4.4
2	4.8	4.9	6.8	9.7	8.8	10.3	5.4	4.9	18	5.6	7.4	6.8	11.9	5.5	7.5	5.9	4.2
3	4.8	4.9	6.8	11.5	7.8	10.9	5.5	4.9	19	5.6	7.5	6.8	17.3	5.6	7.2	5.8	4.2
4	4.7	4.9	6.6	12.2	8.0	9.8	5.4	4.9	20	5.6	7.2	6.8	14.6	6.6	7.6	5.6	4.1
5	4.7	4.8	6.6	13.0	7.7	9.3	5.4	4.8	21	5.4	7.2	6.7	12.2	11.3	7.7	5.5	4.2
6	4.6	4.8	6.4	11.2	7.8	11.1	5.6	4.7	22	5.4	7.9	6.6	11.0	11.7	7.7	5.5	4.1
7	4.6	4.8	6.2	11.2	7.4	9.8	5.8	4.7	23	5.2	7.6	6.2	10.2	10.3	7.8	6.1	4.2
8	4.5	4.8	6.1	11.0	7.1	9.1	5.8	4.6	24	5.2	7.3	6.9	13.2	9.3	7.5	6.0	4.1
9	4.4	4.8	6.1	11.2	7.0	8.9	5.8	4.6	25	5.1	7.1	7.5	16.5	8.6	7.5	5.9	4.1
10	4.4	4.8	7.3	11.6	6.8	8.8	5.9	4.7	26	5.1	7.0	11.1	13.0	8.0	7.3	5.8	4.0
11	4.3	4.7	8.1	11.6	6.8	8.8	6.2	4.8	27	5.0	6.9	10.1	11.5	7.7	7.3	5.5	4.1
12	NF	4.7	7.9	13.0	6.1	8.8	6.7	4.8	28	5.0	6.8	9.0	10.4	7.5	7.0	5.3	4.2
13	NF	4.7	8.2	12.1	6.2	8.8	6.4	5.0	29	5.0	7.8	9.0		7.5	6.4	5.2	4.1
14	6.9	4.7	7.8	11.1	6.4	8.7	6.3	4.9	30	4.9	7.2	10.6		9.6	5.8	5.2	4.0
15	6.6	4.8	7.1	11.3	6.7	8.5	6.2	4.6	31		6.9	9.9		8.9		5.0	
16	6.1	5.2	7.0	11.1	6.5	7.5	6.3	4.5									

Crest Stages:								
	Date	1-13-58	1-26-58	2- 5-58	2-12-58	2-19-58	2-25-58	3-22-58	4- 6-58
	Time	7:00 AM	11:30 AM	4:00 AM	4:30 PM	5:00 PM	2:30 AM	5:00 AM	5:00 AM
	Stage	8.3	12.4	13.9	14.0	17.5	18.3	12.6	12.3

NR — No Record NF - No Flow

TABLE 237

DAILY GAGE HEIGHT*
STONY CREEK AT ST. JOHN

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	NR	NR	NR	NR	4.8	4.0	NR	NR	17	NR	1.6	NR	NR	NR	3.0	NR	NR
2	NR	NR	1.9	3.6	NR	NR	NR	NR	18	NR	1.2	NR	4.8	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	5.4	NR	NR	19	NR	NR	NR	NR	NR	NR	NR	0.0
4	NR	NR	NR	5.6	NR	NR	NR	NR	20	NR	NR	NR	9.6	NR	NR	NR	NR
5	NR	0.6	NR	6.8	NR	NR	NR	NR	21	NR	2.6	NR	NR	6.0	NR	NR	NR
6	NR	NR	NR	5.5	NR	5.5	NR	NR	22	NR	NR	NR	NR	NR	NR	NR	NR
7	NR	NR	NR	5.0	NR	4.6	NR	NR	23	NR	NR	NR	NR	5.0	NR	0.0	NR
8	NR	NR	1.7	5.2	NR	4.0	NR	NR	24	NR	NR	1.7	NR	4.7	NR	NR	NR
9	0.5	NR	NR	4.7	NR	NR	NR	NR	25	NR	NR	2.3	12.0	4.0	NR	NR	NR
10	NR	NR	1.6	5.7	NR	NR	NR	NR	26	NR	NR	5.5	NR	NR	NR	NR	NR
11	0.5	NR	NR	NR	NR	NR	NR	NR	27	NR	NR	4.3	6.1	NR	0.0	NR	NR
12	NR	NR	2.4	5.6	NR	3.3	NR	NR	28	NR	2.2	NR	5.4	NR	NR	NR	NR
13	NR	NR	2.5	NR	2.3	NR	NR	NR	29	NR	2.6	NR		NR	0.0	NR	NR
14	0.0	NR	NR	5.2	2.2	NR	NR	NR	30	NR	NR	4.6		3.4	NR	NR	NR
15	2.4	0.7	NR	NR	NR	NR	NR	NR	31		NR	4.2		NR		NR	
16	NR	0.7	1.8	5.2	NR	NR	NR	NR									

Crest Stages:		
	Date	
	Time	
	Stage	

NR — No Record
* Individual daily staff gage readings.

TABLE 238

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT ORD FERRY

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	99.1	99.0	101.5	110.0	112.8	110.6	101.0	100.0	17	100.4	102.6	102.1	114.0	102.0	103.4	102.2	99.6
2	99.0	99.0	102.8	109.0	111.6	112.2	100.9	99.9	18	100.0	103.2	101.8	114.4	101.7	103.2	102.1	99.5
3	99.0	98.9	103.1	113.0	109.8	114.7	101.0	100.9	19	100.0	102.7	101.6	118.6	101.5	103.0	102.1	99.4
4	99.0	98.9	101.9	114.3	108.3	113.8	100.9	101.3	20	100.1	101.4	101.1	119.3	101.8	102.8	102.1	99.1
5	98.4	98.9	101.4	116.6	107.0	113.3	100.9	100.7	21	100.2	101.4	101.0	116.9	109.4	102.7	102.0	99.0
6	98.8	98.9	101.2	115.1	105.7	114.2	100.9	100.1	22	100.2	104.1	101.0	116.3	111.5	103.3	101.9	98.9
7	98.9	98.9	101.0	112.8	104.6	113.6	100.9	99.7	23	100.2	102.7	100.9	115.6	109.2	103.5	102.0	98.8
8	98.9	98.9	100.8	114.3	104.1	113.4	101.1	99.7	24	100.1	101.5	101.8	114.3	108.2	103.2	102.1	98.8
9	98.6	98.3	100.8	113.4	103.5	112.3	101.4	100.1	25	100.0	101.2	106.5	119.4	107.9	103.0	102.0	98.6
10	98.2	98.4	102.0	114.6	103.1	109.4	101.5	100.7	26	100.0	100.9	109.3	117.4	106.8	102.8	101.9	98.6
11	98.3	98.9	103.9	112.9	102.9	107.6	101.7	100.0	27	99.7	101.1	111.4	115.3	105.6	102.2	101.6	98.5
12	98.9	98.9	102.7	113.5	102.6	106.5	102.6	100.2	28	99.6	101.1	105.6	113.9	105.0	101.6	101.2	98.4
13	99.0	98.6	105.8	116.7	102.6	105.4	102.8	101.3	29	99.1	103.7	106.0		104.9	101.5	101.1	98.3
14	102.4	98.6	104.5	114.7	102.5	105.0	102.5	100.4	30	99.0	102.7	110.4		108.6	101.2	100.6	98.3
15	103.4	98.7	102.8	115.6	103.2	104.7	102.3	100.0	31		101.9	111.3		108.0		100.2	
16	101.4	100.0	102.5	114.7	102.7	104.0	102.2	99.8									

Crest Stages:								
	Date	2- 5-58	2-10-58	2-13-58	2-15-58	2-20-58	2-25-58	4- 3-58	4- 6-58
	Time	5:00 PM	1:00 PM	10:30 AM	6:00 PM	1:00 AM	1:00 PM	12:15 PM	6:00 PM
	Stage	117.0	114.9	117.2	115.8	119.9	120.1	115.1	114.7

NR — No Record

TABLE 239

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT BUTTE CITY

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	72.9	72.8	75.5	88.3	90.4	87.8	75.4	74.0	17	74.5	76.4	76.1	91.5	76.1	78.4	76.4	73.5
2	72.8	72.8	76.3	87.3	89.6	89.4	75.3	73.9	18	73.9	76.7	75.7	91.5	75.7	78.0	76.3	73.4
3	72.8	72.8	77.6	89.2	88.0	90.8	75.2	74.5	19	73.8	77.3	75.4	93.8	75.5	77.7	76.3	73.3
4	72.8	72.7	76.0	91.2	85.9	91.1	75.2	75.2	20	74.0	75.4	75.0	96.5	75.4	77.4	76.3	73.1
5	72.4	72.7	75.4	92.8	83.8	90.6	75.1	74.6	21	73.9	75.2	74.8	94.6	82.2	77.3	76.1	72.9
6	72.6	72.7	75.1	93.0	81.6	90.8	75.1	74.1	22	74.0	77.4	74.9	93.1	88.5	77.7	76.1	72.8
7	72.7	72.7	74.8	91.0	79.6	91.1	75.0	73.7	23	74.0	77.5	74.7	92.7	87.6	78.2	76.2	72.7
8	72.7	72.7	74.7	91.3	78.7	90.5	75.2	73.6	24	73.9	75.6	75.3	91.5	85.5	77.9	76.2	72.7
9	72.5	72.3	74.6	91.3	78.0	90.2	75.5	73.8	25	73.9	75.1	80.7	94.6	84.6	77.6	76.2	72.6
10	72.1	72.1	75.5	91.5	77.4	88.0	75.6	74.6	26	73.8	74.8	84.0	95.4	84.0	77.4	76.0	72.5
11	72.1	72.6	77.9	91.3	77.1	85.2	75.8	74.0	27	73.6	74.8	89.0	92.5	81.5	76.8	75.8	72.4
12	72.6	72.6	76.9	90.4	76.7	83.3	76.5	73.8	28	73.4	75.0	83.5	91.3	80.3	76.2	75.3	72.3
13	72.8	72.4	80.5	93.1	76.6	81.4	77.2	75.1	29	73.0	77.2	81.2		79.8	76.0	75.2	72.3
14	74.9	72.3	80.2	92.4	76.5	80.4	76.8	74.4	30	72.9	77.2	85.5		83.1	75.7	74.7	72.2
15	78.4	72.4	77.1	92.3	77.0	80.0	76.6	74.0	31		76.0	88.9		85.7		74.2	
16	75.6	73.2	76.5	92.4	76.9	79.2	76.4	73.7									

Crest Stages:								
	Date	1-13-58	1-27-58	2- 6-58	2-13-58	2-20-58	3-22-58	4- 3-58	4- 7-58
	Time	10:00 PM	12:00 Noon	3:00 AM	7:00 PM	12:00 Mid.	7:00 PM	11:00 PM	4:00 AM
	Stage	82.0	90.0	93.5	93.7	96.7	88.8	91.5	91.4

NR — No Record

TABLE 240

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT MOULTON WEIR

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1				78.2	79.5	a 77.2			17				80.2				
2				77.6	78.9	78.5			18				80.1				
3				78.0	78.0	79.5			19				81.2				
4				79.7	a 77.1	80.1			20				83.4				
5				81.0		79.6			21				82.6				
6				81.6		79.6			22				81.5	a 77.7			
7				80.2		80.0			23				81.2	77.9			
8				79.9		79.5			24				80.4	a 76.9			
9				80.2		79.4			25				81.8				
10				80.1		78.2			26				83.1				
11				80.3		a 77.0			27			a 78.2	81.3				
12				79.4					28			a 77.7	80.3				
13				81.2					29								
14				81.2					30			a 77.0					
15				80.7					31			78.2		a 76.8			
16				80.9													

Crest Stages:	Date	2- 6-58	2- 9-58	2-11-58	2-13-58	2-16-58	2-20-58	2-26-58	4- 4-58
	Time	7:00 AM	2:00 AM	3:00 AM	10:00 PM	6:30 AM	2:00 PM	3:00 AM	3:00 AM
	Stage	81.8	80.4	80.6	81.9	81.0	83.7	83.7	80.3

NR — No Record
a Mean daily gage height for partial day period of flow to Butte Basin via Moulton Weir.

TABLE 241

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER OPPOSITE MOULTON WEIR

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	59.6	59.5	NR	78.3	79.7	76.2	63.1	61.4	17	62.2	NR	64.8	80.6	NR	67.9	64.4	60.8
2	59.5	59.4	NR	77.6	79.1	78.7	62.9	61.3	18	61.0	NR	64.0	80.5	NR	67.1	64.4	60.6
3	59.5	59.4	66.8	78.2	78.1	79.6	62.8	61.8	19	60.7	NR	63.5	81.8	NR	66.7	64.2	60.5
4	59.5	59.4	64.8	80.1	76.7	80.4	62.8	62.9	20	60.9	NR	62.9	84.4	NR	66.2	64.3	60.3
5	59.2	59.4	63.4	81.5	74.8	79.9	62.7	62.3	21	60.9	NR	62.2	83.4	69.7	65.9	64.1	60.1
6	59.1	59.3	62.7	82.2	72.6	79.9	62.6	61.5	22	61.0	NR	62.4	82.0	77.7	66.2	64.0	59.9
7	59.4	59.3	62.3	80.6	70.1	80.3	62.6	61.1	23	61.0	NR	62.2	81.7	77.8	67.2	64.1	59.8
8	59.4	59.3	62.0	80.3	68.5	79.7	62.7	61.0	24	60.9	NR	62.5	80.7	76.2	67.0	64.3	59.7
9	59.3	58.9	61.9	80.6	67.4	79.6	63.0	61.0	25	60.8	NR	68.7	82.4	75.3	66.5	64.2	59.6
10	58.7	NR	63.5	80.5	66.4	78.3	63.2	62.0	26	60.8	NR	73.3	84.0	74.9	66.1	64.0	59.5
11	58.6	NR	66.1	80.8	65.8	76.2	63.4	61.4	27	60.5	NR	78.1	81.8	72.5	65.2	63.8	59.4
12	59.1	NR	66.5	79.7	NR	74.2	64.3	61.1	28	60.3	NR	75.7	80.6	71.0	64.3	63.1	59.3
13	59.4	NR	67.7	81.7	NR	72.2	65.4	62.5	29	59.9	NR	71.9		70.1	63.9	62.9	59.2
14	60.9	NR	71.0	81.8	NR	70.7	65.1	62.0	30	59.6	NR	74.8		72.5	63.5	62.3	59.2
15	67.7	NR	67.6	81.2	NR	70.2	64.6	61.3	31		NR	78.3		76.3		61.7	
16	64.4	NR	65.5	81.4	NR	69.3	64.5	61.0									

Crest Stages:	Date	1-27-58	2- 6-58	2-13-58	2-20-58	2-26-58	4- 2-58	4- 4-58	4- 7-58
	Time	6:00 PM	7:00 AM	11:00 PM	3:00 PM	4:00 AM	1:00 PM	3:00 AM	8:00 AM
	Stage	79.0	82.5	82.6	84.6	84.6	79.0	80.6	80.5

NR — No Record

TABLE 242

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT COLUSA WEIR

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr.	May	June
1				65.8	66.8	64.7			17				67.1				
2				65.5	66.4	65.8			18				67.0				
3				65.6	66.0	66.3			19				67.4				
4				66.4	65.3	66.8			20				68.6				
5				67.0	64.5	66.6			21				68.6	a 63.3			
6				67.4	63.6	66.5			22				68.0	65.3			
7				66.8	62.4	66.7			23				67.7	65.6			
8				66.5		66.5			24				67.3	64.9			
9				66.7		66.4			25			a 62.5	67.7	64.5			
10				66.7		65.9			26			63.6	68.7	64.3			
11				66.9		65.0			27			65.4	68.0	63.5			
12				66.4		64.2			28			65.0	67.3	62.8			
13			a 62.1	67.0		63.4			29			63.3		62.4			
14			62.9	67.4		62.8			30			64.1		63.1			
15			a 62.0	67.2		62.5			31			65.6		64.8			
16				67.4		a 62.1											

Crest Stages:							
	Date	2- 6-58	2-11-58	2-14-58	2-16-58	2-21-58	2-26-58
	Time	11:00 AM	9:00 AM	3:00 AM	10:00 AM	2:00 AM	9:30 AM
	Stage	67.4	67.0	67.6	67.4	68.8	68.8

NR – No Record
a Mean gage height for partial day period of flow to Colusa Bypass via Colusa Weir.

TABLE 243

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT COLUSA

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	45.3	45.3	52.7	64.1	65.3	62.9	49.9	47.5	17	51.3	49.6	54.9	65.7	53.6	58.1	52.5	46.6
2	45.2	45.2	52.0	63.8	64.8	64.2	49.5	47.2	18	48.7	53.2	53.6	65.5	52.0	56.8	52.4	46.2
3	45.2	45.1	56.0	63.9	64.2	64.9	49.3	47.5	19	47.7	56.2	52.6	66.0	51.2	56.1	52.2	46.0
4	45.1	45.1	55.3	65.0	63.3	65.5	49.3	49.7	20	47.8	54.1	51.7	67.6	50.7	55.4	52.3	45.7
5	44.9	45.1	52.8	65.6	62.5	65.3	49.1	49.3	21	47.7	51.7	50.5	67.6	55.6	54.9	52.1	45.2
6	44.1	45.1	51.4	66.1	61.4	65.1	49.0	48.0	22	47.9	52.6	50.3	66.8	63.3	55.0	51.9	45.0
7	44.8	45.0	50.5	65.5	60.1	65.4	49.0	47.0	23	47.9	57.7	50.2	66.4	64.0	56.6	52.0	44.7
8	44.9	45.0	50.0	65.2	58.6	65.1	49.0	46.7	24	47.8	54.8	50.1	65.9	63.1	56.7	52.3	44.6
9	44.9	44.6	49.6	65.4	57.2	65.0	49.5	46.6	25	47.7	52.0	56.1	66.4	62.6	56.0	52.3	44.4
10	43.9	43.8	49.7	65.3	55.6	64.3	50.0	48.0	26	47.6	50.7	61.7	67.8	62.4	55.4	52.1	44.3
11	43.6	44.4	54.6	65.5	54.8	63.1	50.3	47.9	27	47.2	49.9	63.4	66.9	61.6	54.4	51.8	44.1
12	44.2	44.7	56.8	65.0	54.2	62.2	51.3	47.1	28	46.7	50.2	63.4	66.0	60.8	52.8	50.8	43.9
13	44.9	44.6	57.1	65.7	53.5	61.2	53.5	48.5	29	46.1	52.0	61.4		60.3	51.4	50.0	43.7
14	45.9	44.2	61.1	66.2	53.4	60.5	53.7	48.9	30	45.5	56.7	62.2		61.0	50.7	49.3	43.6
15	55.8	44.3	59.0	65.9	53.3	60.2	53.1	47.6	31		54.7	63.8		63.0		48.2	
16	55.0	44.7	56.1	66.1	54.7	59.6	52.6	47.0									

Crest Stages:								
	Date	1-14-58	1-27-58	2- 6-58	2-14-58	2-21-58	2-26-58	3-23-58	4- 4-58
	Time	11:00 PM	12:00 Mid.	11:00 AM	2:00 AM	2:00 AM	9:00 AM	6:00 AM	8:30 AM
	Stage	61.4	64.2	66.2	66.4	67.9	68.0	64.2	65.6

NR – No Record

TABLE 244

DAILY MEAN GAGE HEIGHT
BUTTE CREEK NEAR CHICO

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	2.2	2.0	2.3	3.3	3.6	4.7	2.9	2.5	17	2.2	NR	2.4	NR	2.7	3.2	3.0	2.3
2	2.2	2.0	2.8	3.4	3.4	5.3	3.0	2.6	18	2.2	NR	2.4	NR	2.7	3.2	3.0	2.3
3	2.2	2.0	2.6	4.1	3.3	5.0	3.0	2.7	19	2.2	NR	2.4	5.5	2.7	3.1	2.9	2.3
4	2.2	2.0	2.4	4.0	3.2	4.2	3.0	2.5	20	2.2	2.7	2.4	4.6	3.6	3.1	2.9	2.2
5	2.2	2.0	2.4	4.3	3.0	3.9	3.0	2.5	21	2.2	3.1	2.3	4.0	5.8	3.1	2.9	2.2
6	2.1	2.0	2.3	3.8	3.0	3.9	3.0	2.4	22	2.1	3.0	2.3	3.8	4.8	3.2	2.9	2.2
7	2.1	2.1	2.3	4.0	2.9	3.6	2.9	2.4	23	2.1	2.7	2.3	3.6	4.8	3.0	2.9	2.2
8	2.2	2.0	2.3	3.9	2.9	3.4	2.9	2.4	24	2.1	2.5	2.8	6.0	4.5	3.0	2.8	2.2
9	2.1	NR	2.3	3.9	2.8	3.3	3.0	2.4	25	2.0	2.5	2.9	6.4	4.0	2.9	2.8	2.1
10	2.2	NR	2.8	3.8	2.7	3.3	3.0	2.4	26	2.0	2.4	3.9	4.8	3.7	2.9	2.8	2.1
11	2.4	NR	2.8	NR	2.7	3.3	3.3	2.4	27	2.0	2.4	3.4	4.2	3.5	2.9	2.7	2.1
12	2.2	NR	2.8	NR	2.7	3.3	3.2	2.7	28	2.0	2.4	3.0	3.9	3.3	2.8	2.6	2.1
13	2.7	NR	2.8	NR	2.7	3.3	3.0	2.6	29	2.0	2.5	4.3		3.6	2.9	2.6	2.1
14	3.2	NR	2.7	NR	2.9	3.3	3.0	2.5	30	2.0	2.4	4.5		4.5	2.9	2.5	2.0
15	2.5	NR	2.6	NR	3.0	3.3	2.9	2.4	31		2.4	3.6		3.8		2.5	
16	2.3	NR	2.5	NR	2.8	3.2	2.9	2.4									

Crest Stages.						
	Date	1-26-58	1-29-58	2-19-58	2-24-58	3-21-58
	Time	12:30 PM	10:00 PM	10:30 AM	8:30 PM	2:00 AM
	Stage	4.4	5.9	5.9	9.5	6.0

NR — No Record

TABLE 245

DAILY MEAN GAGE HEIGHT
BUTTE SLOUGH AT OUTFALL GATES

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	42.0	41.9	45.1	a 57.1	a 61.3	a 55.1	47.1	45.3	17	44.4	43.8	48.3	a 61.6	NR	NR	46.0	44.3
2	41.9	41.8	45.7	NR	NR	a 55.6	46.7	45.0	18	44.3	46.3	48.2	a 61.1	a 48.4	NR	45.9	43.9
3	41.8	41.7	46.7	a 57.0	a 59.9	NR	46.5	45.0	19	44.0	47.1	48.0	a 61.2	48.3	NR	45.8	43.5
4	41.7	41.7	47.2	a 57.7	a 59.9	NR	46.5	46.5	20	43.3	47.4	47.8	NR	48.0	NR	45.8	43.0
5	41.6	41.7	47.3	a 59.0	a 57.0	a 60.2	46.3	46.4	21	42.9	47.6	47.6	a 65.6	48.4	a 55.1	45.8	42.4
6	40.8	41.6	47.3	a 60.6	a 56.4	NR	46.2	45.5	22	42.7	47.9	47.4	a 64.2	a 50.5	a 48.6	45.9	42.0
7	41.4	41.6	47.3	a 61.2	a 55.0	a 60.4	46.1	44.7	23	42.6	48.0	47.2	NR	a 55.7	48.4	46.2	41.6
8	41.5	41.6	47.0	a 60.8	NR	NR	46.0	44.4	24	42.5	47.9	47.0	a 62.6	a 57.0	48.2	46.6	41.4
9	41.5	41.3	46.6	a 60.6	NR	NR	45.9	44.4	25	42.6	47.7	47.2	a 62.2	NR	48.0	46.8	41.3
10	40.7	40.5	46.2	a 60.4	a 51.3	NR	45.3	44.9	26	42.7	47.4	a 48.0	a 62.7	a 56.3	47.9	47.0	41.7
11	40.2	40.8	46.5	a 60.7	a 50.4	NR	44.9	45.2	27	42.7	46.7	a 51.1	NR	a 55.5	47.8	47.2	41.5
12	40.7	41.3	46.8	a 60.5	a 49.6	NR	45.4	44.5	28	42.7	45.8	a 55.7	a 63.0	a 54.7	47.6	47.3	41.2
13	41.5	41.2	47.0	a 60.4	NR	NR	45.7	45.3	29	42.6	45.5	a 54.8		NR	47.5	47.2	41.5
14	42.0	40.8	47.3	a 61.7	a 48.8	NR	46.0	46.0	30	42.2	45.3	a 54.8		NR	47.3	46.7	41.9
15	43.3	40.9	48.1	a 61.6	NR	a 53.5	46.1	45.1	31		45.2	a 55.2		a 53.8		45.8	
16	44.3	41.3	48.3	a 61.7	NR	NR	46.0	44.6									

Crest Stages:								
	Date	12-23-57	1- 6-58	1-16-58	5-15-58	5-29-58	6- 4-58	6-10-58	6-14-58
	Time	1:00 PM	7:00 PM	4:00 PM	2:30 PM	1:00 PM	9:00 PM	11:30 PM	4:30 AM
	Stage	48.0	47.3	48.3	46.1	47.4	46.8	45.5	46.4

NR — No Record
a Individual daily staff gage reading only.

TABLE 246

DAILY GAGE HEIGHT*
SACRAMENTO RIVER AT BUTTE SLOUGH OUTFALL GATES

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr	May	June
1	41.8	NR	NR	NR	NR	59.8	47.1	44.5	17	NR	NR	NR	NR	NR	NR	NR	43.5
2	NR	NR	49.2	NR	NR	61.0	NR	44.2	18	NR	NR	NR	NR	49.4	NR	NR	43.1
3	NR	NR	NR	NR	61.2	NR	NR	44.0	19	NR	NR	NR	62.5	NR	NR	NR	42.8
4	NR	NR	NR	NR	NR	NR	NR	46.1	20	NR	NR	NR	NR	47.8	NR	NR	42.5
5	NR	NR	NR	NR	59.6	62.2	NR	46.5	21	NR	NR	NR	64.7	NR	52.5	NR	41.8
6	NR	NR	NR	63.0	NR	NR	NR	45.3	22	NR	NR	NR	NR	NR	52.2	NR	41.5
7	NR	NR	NR	NR	NR	62.4	NR	44.2	23	NR	NR	NR	NR	NR	NR	NR	41.0
8	NR	NR	NR	NR	NR	NR	45.8	43.6	24	NR	NR	NR	NR	60.2	NR	NR	41.0
9	NR	NR	NR	NR	NR	NR	NR	43.4	25	NR	NR	NR	NR	NR	NR	NR	40.8
10	NR	NR	NR	62.1	53.4	NR	NR	44.0	26	NR	NR	58.8	NR	59.6	NR	NR	40.5
11	NR	40.8	NR	NR	52.4	NR	NR	45.1	27	NR	NR	NR	NR	58.8	NR	NR	40.3
12	NR	41.1	NR	NR	51.8	NR	NR	44.0	28	NR	NR	60.4	NR	58.2	NR	NR	40.1
13	41.3	NR	NR	62.2	NR	NR	NR	44.1	29	NR	NR	NR		NR	NR	NR	39.9
14	NR	NR	NR	63.0	51.2	NR	NR	46.2	30	NR	NR	NR		NR	NR	NR	39.6
15	NR	NR	NR	NR	NR	57.5	NR	44.8	31		NR	NR		60.0		NR	
16	NR	NR	NR	NR	NR	NR	NR	44.0									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record
* Individual daily staff gage readings.

TABLE 247

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT MERIDIAN

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	39.8	39.8	48.6	58.7	59.8	57.6	45.4	42.9	17	47.2	43.6	50.7	60.0	49.5	53.8	47.8	41.6
2	39.7	39.7	47.5	58.5	59.3	58.6	44.8	42.5	18	44.1	48.4	49.4	59.9	47.8	52.6	47.8	41.2
3	39.6	39.6	50.8	58.4	58.8	59.2	44.6	42.5	19	42.6	50.7	48.3	60.2	46.8	52.0	47.7	40.9
4	39.5	39.5	51.2	59.2	58.1	59.8	44.5	44.5	20	42.5	50.2	47.3	61.4	46.2	51.4	47.7	40.6
5	39.4	39.5	48.8	59.8	57.4	59.7	44.3	44.6	21	42.5	47.5	46.0	61.9	49.9	51.0	47.6	40.0
6	38.6	39.4	47.0	60.3	56.5	59.5	44.2	43.4	22	42.7	47.7	45.5	61.3	54.5	50.9	47.4	39.6
7	39.1	39.4	46.0	59.9	55.4	59.8	44.2	42.2	23	42.7	52.6	45.4	60.8	58.5	52.2	47.5	39.4
8	39.2	39.4	45.3	59.5	54.1	59.5	44.1	41.8	24	42.6	50.9	45.3	60.4	57.8	52.4	47.7	39.2
9	39.2	39.1	44.8	59.7	53.0	59.4	44.5	41.6	25	42.5	48.0	50.1	60.5	57.4	51.8	47.9	39.0
10	38.4	38.2	44.8	59.6	51.7	58.9	45.0	42.7	26	42.4	46.2	56.3	61.9	57.2	51.3	47.7	38.8
11	37.9	38.5	49.0	59.8	50.9	57.9	45.4	43.0	27	42.0	45.2	58.0	61.4	56.5	50.5	47.4	38.5
12	38.3	39.0	52.2	59.5	50.2	57.1	46.3	42.2	28	41.5	45.4	58.1	60.5	55.8	48.8	46.4	38.3
13	39.2	39.0	51.3	59.8	49.4	56.4	48.6	43.1	29	41.0	46.8	56.4		55.4	47.3	45.5	38.1
14	40.0	38.6	55.7	60.4	49.2	55.6	49.2	44.1	30	40.1	51.7	57.0		55.8	46.4	44.8	37.9
15	49.8	38.5	54.3	60.2	49.0	55.4	48.7	42.9	31		50.6	58.3		57.5		43.6	
16	50.9	38.9	51.8	60.3	50.3	55.0	48.1	42.1									

Crest Stages:	Date	1-28-58	2- 1-58	2- 6-58	2-14-58	2-21-58	2-26-58	4- 4-58	4- 7-58
	Time	2:00 AM	7:00 AM	2:30 PM	7:00 AM	7:00 AM	3:00 PM	12:00 Noon	1:30 PM
	Stage	58.7	58.7	60.3	60.5	62.0	62.0	59.9	59.8

NR — No Record

TABLE 248

DAILY GAGE HEIGHT*
SACRAMENTO RIVER AT RECLAMATION DISTRICT 70 PUMPING PLANT

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	35.4	35.5	45.1	52.3	53.8	51.7	41.6	38.7	17	42.0	36.4	47.2	53.7	46.5	49.2	43.7	37.1
2	35.2	35.1	43.8	52.2	53.2	52.0	40.6	38.0	18	38.1	43.9	45.9	53.4	44.5	48.8	43.6	36.6
3	35.0	35.6	46.8	52.0	52.9	52.7	40.0	37.8	19	38.2	47.0	44.6	53.5	43.3	48.5	43.6	36.1
4	35.0	34.8	47.9	52.5	52.3	53.3	39.9	39.2	20	38.3	47.8	43.7	54.3	42.3	48.0	43.6	35.8
5	35.0	35.0	45.6	53.0	51.8	53.3	39.8	40.5	21	38.4	44.4	42.2	55.3	42.8	47.5	43.8	34.9
6	34.0	34.8	43.5	53.5	51.2	53.3	39.7	39.4	22	38.4	42.9	41.4	55.1	51.2	46.8	43.6	34.6
7	34.2	34.9	42.2	53.5	50.5	53.2	39.7	38.0	23	38.5	48.0	41.3	54.7	52.2	48.2	43.6	34.1
8	34.6	34.9	41.4	53.1	49.9	53.1	39.4	37.1	24	38.3	48.0	41.0	54.2	52.0	48.4	43.6	33.9
9	34.8	34.8	40.7	53.2	49.2	53.1	39.7	36.8	25	38.2	45.9	41.9	53.7	51.6	48.3	42.2	33.6
10	34.0	34.5	45.5	53.2	48.3	52.9	40.4	37.0	26	38.1	42.6	50.6	54.9	51.5	47.9	42.2	33.2
11	33.6	34.0	45.5	53.3	47.7	52.2	40.9	38.3	27	37.9	41.4	51.2	55.3	51.2	47.5	42.6	33.1
12	33.0	34.0	48.3	53.3	46.8	51.6	40.4	37.7	28	37.6	41.1	52.3	54.5	50.6	46.0	42.1	32.5
13	34.6	34.6	47.5	53.1	46.0	51.1	41.6	37.3	29	36.9	41.4	50.9		50.4	44.1	41.9	32.3
14	34.9	34.5	50.4	53.8	45.7	50.7	44.3	39.9	30	36.9	47.0	50.8		50.4	43.4	41.1	32.0
15	42.0	34.5	49.9	53.7	45.1	50.4	44.5	38.7	31		46.3	51.8		51.5		39.8	
16	46.8	34.6	48.3	53.8	46.7	49.7	42.3	37.7									

Crest Stages:	Date																
	Time																
	Stage																

NR — No Record
* Individual daily staff gage readings.

TABLE 249

DAILY GAGE HEIGHT*
TISDALE BYPASS AT RECLAMATION DISTRICT 1660 PUMPING PLANT

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	23.0	23.2	27.4	42.4	46.8	41.2	31.9	30.8	17	25.1	24.4	32.8	46.2	32.4	37.8	30.9	27.4
2	22.9	23.2	27.7	42.9	45.8	42.4	31.2	29.9	18	25.0	25.9	32.1	46.0	32.0	36.6	31.0	27.0
3	22.9	23.1	28.0	43.0	44.8	43.6	30.7	29.0	19	24.6	27.8	31.4	46.1	31.9	35.8	31.3	26.6
4	22.8	23.0	29.6	43.4	43.9	44.8	30.2	28.5	20	24.6	29.4	31.0	47.2	31.7	35.1	31.7	26.0
5	22.8	23.0	28.2	44.2	42.8	45.0	30.0	29.0	21	24.4	29.4	30.6	49.2	31.8	34.6	32.0	25.3
6	22.7	23.0	29.2	45.2	41.8	45.0	30.0	29.4	22	23.8	29.8	30.3	49.1	38.8	34.2	32.0	25.0
7	22.5	23.0	29.1	45.9	40.4	45.0	30.1	29.0	23	23.5	31.3	29.9	48.1	40.8	34.7	32.2	24.8
8	22.5	23.0	29.1	45.6	39.0	45.0	30.2	28.0	24	23.5	32.3	29.6	47.4	42.8	35.4	32.3	24.2
9	22.5	23.0	29.0	45.4	37.4	44.8	30.2	27.2	25	23.4	31.0	29.4	46.9	42.4	34.9	32.4	24.2
10	22.5	23.0	28.9	45.4	35.8	44.5	30.0	26.8	26	23.2	30.6	37.3	48.6	42.0	34.2	32.6	24.1
11	22.6	22.8	28.7	45.4	34.6	43.6	30.2	27.0	27	23.2	30.1	39.2	49.4	41.4	33.6	32.7	23.8
12	22.5	22.7	29.8	45.5	34.0	42.6	30.3	27.5	28	23.4	29.6	40.4	48.2	40.4	33.1	32.6	23.6
13	22.4	22.7	30.7	45.4	33.6	41.4	30.6	27.3	29	23.4	28.8	40.8		39.6	32.6	32.4	23.6
14	22.6	22.7	37.2	46.2	33.1	40.3	31.1	27.4	30	23.4	27.8	40.8		39.2	32.2	32.0	23.6
15	23.3	22.7	36.6	46.3	32.8	39.4	31.2	28.2	31		28.4	41.5		40.2		31.6	
16	24.7	23.3	34.0	46.3	32.6	38.8	31.0	27.9									

Crest Stages:	Date																
	Time																
	Stage																

NR — No Record
* Average of two daily staff gage readings, 7:00 AM and 5:00 PM.

TABLE 250

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT TISDALE WEIR

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1				48.9	50.2	48.4			17			a 45.6	50.1		47.2		
2				48.9	49.8	48.9			18				49.9		46.8		
3			a 45.9	48.9	49.4	49.3			19		a 46.0		50.0		46.6		
4			a 46.0	49.2	48.9	49.7			20		a 45.9		50.8		46.3		
5				49.5	48.5	49.7			21				51.6	a 46.6	46.0		
6				49.9	48.1	49.7			22				51.5	48.1	45.9		
7				49.9	47.7	49.7			23		a 46.5		50.9	48.7	46.5		
8				49.7	47.3	49.7			24		a 46.2		50.5	48.6	46.7		
9				49.7	46.9	49.6			25			a 46.5	50.4	48.4	46.4		
10				49.7	46.3	49.4			26			47.6	51.4	48.3	46.2		
11				49.8	a 45.8	48.8			27			48.2	50.6	48.1	a 45.8		
12			a 46.2	49.7		48.4			28			48.6	50.9	47.8			
13			46.2	49.7		48.0			29			47.9		47.7			
14			47.5	50.1		47.8			30		a 46.0	48.0		47.7			
15	a 45.7		47.3	50.1		47.7			31		a 45.8	48.6		48.3			
16	a 45.9		46.3	50.1		47.6											

Crest Stages:								
	Date	1-28-58	2- 1-58	2- 7-58	2-21-58	2-27-58	3-23-58	4- 4-58	4- 7-58
	Time	6:30 AM	5:30 PM	4:30 AM	7:00 PM	2:00 AM	5:00 PM	6:00 PM	8:00 PM
	Stage	48.8	48.9	50.0	51.8	51.8	48.8	49.8	49.8

NR — No Record
a Mean gage height for partial day period of flow to Tisdale Bypass via Tisdale Weir.

TABLE 251

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER BELOW TISDALE WEIR

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	33.8	33.8	43.2	49.0	50.3	48.5	39.5	38.0	17	42.3	36.2	45.3	50.1	44.4	47.2	42.0	35.2
2	33.7	33.6	41.8	49.0	49.8	49.0	38.6	36.4	18	39.1	41.8	44.1	50.0	42.7	46.6	43.0	34.7
3	33.6	33.5	44.1	49.0	49.4	49.4	38.1	36.2	19	37.1	44.7	42.9	50.1	41.5	46.4	43.0	34.3
4	33.4	33.4	45.5	49.4	48.9	49.9	38.0	38.0	20	36.6	45.0	41.9	50.9	40.8	46.1	43.1	33.9
5	33.4	33.4	43.6	49.7	48.5	49.9	37.8	38.6	21	36.7	42.2	40.6	51.7	42.8	45.8	43.1	33.0
6	32.5	33.3	41.6	50.1	48.1	49.8	37.9	37.4	22	36.8	41.5	39.9	51.5	48.1	45.7	43.0	32.6
7	32.8	33.3	40.4	50.0	47.6	49.9	37.9	36.1	23	36.9	45.7	39.8	51.0	48.8	46.4	43.0	32.3
8	33.1	33.2	39.7	49.8	47.2	49.8	37.9	35.3	24	36.8	45.4	39.5	50.6	48.7	46.5	43.3	32.0
9	33.2	33.0	39.1	49.9	46.8	49.7	38.2	35.1	25	36.7	42.8	42.5	50.4	48.5	46.2	43.6	31.7
10	32.5	32.1	38.9	49.8	46.3	49.4	38.7	35.6	26	36.5	40.8	47.6	51.4	48.3	45.8	43.4	31.3
11	31.7	32.1	42.2	49.9	45.7	48.8	39.2	36.7	27	36.3	39.6	48.3	51.6	48.1	45.2	43.1	31.0
12	31.8	32.7	46.0	49.8	45.0	48.3	40.0	35.8	28	35.6	39.5	48.7	50.9	47.8	43.7	42.4	30.7
13	32.8	32.8	46.0	49.8	44.1	48.0	42.2	36.1	29	35.2	40.4	48.0		47.6	41.9	41.2	30.5
14	33.4	32.4	47.4	50.3	43.8	47.7	43.3	37.8	30	34.3	45.0	48.1		47.7	40.7	40.4	30.2
15	41.2	32.3	47.1	50.2	43.6	47.6	42.9	36.8	31		45.0	48.8		48.4		39.0	
16	45.2	32.6	46.1	50.2	44.8	47.5	42.3	35.9									

Crest Stages:								
	Date	1-14-58	1-28-58	2- 7-58	2-21-58	2-27-58	3-23-58	4- 4-58	4- 7-58
	Time	4:00 PM	7:00 AM	9:00 PM	8:00 PM	3:30 AM	5:30 PM	7:00 PM	6:30 PM
	Stage	47.5	48.9	50.2	51.8	51.8	48.9	50.0	49.9

NR — No Record

TABLE 252

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER BELOW WILKINS SLOUGH

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	33.4	33.4	42.8	48.6	49.8	48.0	39.2	36.6	17	41.9	35.7	44.7	49.7	43.8	46.6	41.5	34.8
2	33.2	33.2	41.5	48.5	49.4	48.4	38.4	36.0	18	38.7	41.5	43.6	49.6	42.1	46.2	41.5	34.3
3	33.1	33.0	43.7	48.5	49.0	48.9	37.9	35.7	19	36.7	44.4	42.4	49.7	40.9	45.9	41.6	33.9
4	33.0	33.0	45.0	48.9	48.5	49.4	37.7	37.5	20	36.2	44.5	41.4	50.4	40.2	45.6	41.6	33.4
5	32.9	33.0	43.1	49.2	48.0	49.4	37.5	38.2	21	36.2	41.9	40.1	51.3	42.3	45.4	41.7	32.6
6	32.1	32.9	41.2	49.6	47.6	49.2	37.4	36.9	22	36.3	41.1	39.4	51.1	47.5	45.2	41.5	32.1
7	32.4	32.8	40.0	49.6	47.1	49.3	37.4	35.6	23	36.5	45.2	39.2	50.6	48.3	45.8	41.6	31.8
8	32.6	32.8	39.2	49.3	46.7	49.2	37.4	34.9	24	36.4	45.0	39.0	50.2	48.2	46.0	41.9	31.5
9	32.7	32.6	38.7	49.4	46.3	49.1	37.7	34.6	25	36.2	42.4	42.0	50.0	47.9	45.7	42.2	31.2
10	32.0	31.8	38.5	49.4	45.7	48.9	38.3	35.2	26	36.1	40.5	47.0	51.1	47.8	45.4	42.0	30.9
11	31.3	31.6	41.6	49.4	45.2	48.3	38.8	36.2	27	35.8	39.2	47.8	51.2	47.6	44.9	41.7	30.5
12	31.4	32.3	45.4	49.3	44.4	47.8	39.6	35.3	28	35.2	39.1	48.2	50.5	47.3	43.4	41.0	30.2
13	32.4	32.4	45.5	49.4	43.5	47.4	41.7	35.6	29	34.8	40.0	47.5		47.1	41.6	39.8	29.9
14	33.0	32.0	46.9	49.8	43.2	47.2	42.8	37.3	30	33.8	44.4	47.6		47.1	40.4	39.0	29.7
15	40.7	31.9	46.6	49.7	43.0	47.0	42.4	36.3	31		44.7	48.2		47.8		37.8	
16	44.8	32.2	45.6	49.8	44.2	46.9	41.8	35.4									

Crest Stages:								
	Date	12-23-57	1- 4-58	1-14-58	1-28-58	2-21-58	2-27-58	3-23-58	4- 4-58
	Time	6:00 PM	4:30 AM	3:00 PM	7:00 AM	7:00 PM	2:00 AM	6:00 PM	7:00 PM
	Stage	46.0	45.4	47.0	48.4	51.4	51.4	48.4	49.4

NR — No Record

TABLE 253

DAILY GAGE HEIGHT*
SACRAMENTO RIVER NEAR ROUGH AND READY BEND

In feet

Date	1956		1957						Date	1956		1957					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	25.0	NR	NR	NR	40.4	NR	19.6	27.8	17	23.0	22.6	NR	NR	35.5	22.6	25.6	21.0
2	NR	22.0	NR	NR	NR	NR	19.8	27.8	18	NR	NR	NR	NR	NR	NR	26.1	20.2
3	NR	22.0	NR	20.2	41.2	25.0	20.2	27.4	19	NR	NR	NR	NR	35.8	23.8	30.0	20.6
4	NR	NR	NR	NR	40.8	NR	21.2	27.1	20	NR	NR	21.6	NR	NR	25.2	36.4	20.4
5	NR	NR	NR	NR	41.3	NR	21.7	26.2	21	NR	NR	NR	NR	NR	26.0	39.9	20.4
6	NR	NR	NR	NR	41.6	NR	21.5	25.5	22	22.8	NR	NR	NR	32.7	26.7	40.1	20.2
7	23.5	22.0	NR	NR	41.7	23.2	21.6	25.0	23	NR	NR	NR	21.4	NR	25.3	39.2	19.9
8	NR	NR	NR	NR	41.6	NR	22.1	24.4	24	NR	NR	NR	28.8	NR	24.9	37.2	19.8
9	NR	NR	NR	NR	NR	NR	22.8	23.6	25	NR	NR	NR	NR	29.8	23.1	34.9	19.7
10	NR	NR	NR	NR	40.9	NR	22.8	23.2	26	NR	22.0	NR	41.3	NR	22.8	33.2	19.4
11	23.4	NR	NR	NR	39.6	NR	23.1	22.8	27	22.1	NR	NR	41.4	NR	21.6	32.0	19.2
12	NR	22.4	NR	NR	39.0	NR	23.4	22.6	28	NR	NR	NR	41.0	27.4	20.6	31.3	19.0
13	NR	NR	21.6	NR	NR	NR	24.2	22.4	29	NR	NR	NR		NR	19.8	30.5	18.8
14	NR	NR	NR	NR	NR	NR	25.0	22.0	30	NR	NR	NR		NR	19.4	29.4	19.2
15	NR	NR	NR	NR	36.0	NR	25.2	21.7	31		NR	NR		26.3		28.2	
16	NR	NR	NR	NR	NR	NR	25.6	21.4									

Crest Stages:		
	Date	
	Time	
	Stage	

NR — No Record

* Average of two or more daily staff gage readings. This table replaces Table 269 of Bulletin No. 23-57 which erroneously listed the data for Sacramento River above Reclamation District 108.

TABLE 254

DAILY GAGE HEIGHT*
SACRAMENTO RIVER NEAR ROUGH AND READY BEND

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	25.6	NR	34.4	41.8	43.5	41.7	33.7	31.3	17	NR	26.6	36.2	43.2	36.8	40.4	35.4	29.0
2	25.3	25.6	NR	NR	43.0	42.2	32.9	30.5	18	31.6	33.0	NR	43.2	35.5	40.0	35.6	28.9
3	NR	NR	35.7	42.0	42.4	42.8	32.4	30.4	19	NR	35.9	34.8	43.4	34.2	40.8	35.8	27.8
4	25.3	NR	NR	42.2	41.9	43.1	32.0	31.4	20	NR	37.1	NR	44.2	33.2	39.4	36.0	27.5
5	NR	25.2	35.4	42.8	41.5	43.0	32.0	31.5	21	NR	35.0	NR	44.8	36.0	39.2	36.2	26.8
6	24.3	NR	NR	43.0	41.1	43.0	32.0	30.5	22	28.3	NR	31.5	44.6	40.0	39.0	36.1	26.2
7	NR	NR	31.9	43.0	40.6	43.0	32.2	29.5	23	NR	35.4	NR	44.1	41.5	39.3	36.2	26.0
8	24.0	NR	NR	42.8	40.2	42.8	32.0	28.8	24	NR	NR	NR	43.7	41.8	39.6	36.4	25.2
9	24.8	25.0	31.1	42.8	40.0	42.6	32.2	28.6	25	28.2	35.1	NR	44.0	41.7	39.5	36.6	24.6
10	NR	NR	NR	42.8	39.4	42.3	32.7	29.0	26	NR	33.4	38.5	44.8	41.5	39.2	36.6	24.4
11	24.0	NR	NR	42.8	38.7	41.8	33.2	29.6	27	NR	NR	40.4	44.9	41.2	38.8	36.2	25.0
12	NR	NR	35.1	42.8	37.7	41.6	34.2	29.0	28	NR	31.5	41.0	44.2	40.9	37.8	35.6	23.4
13	23.4	NR	37.2	43.1	36.6	41.1	35.2	29.2	29	27.1	NR	40.7		40.7	36.4	34.6	23.0
14	NR	NR	NR	43.4	36.0	40.8	36.4	30.8	30	NR	35.2	40.9		40.8	35.0	33.5	22.6
15	29.5	24.5	38.1	43.3	35.8	40.6	36.0	29.9	31		NR	41.4		41.2		32.4	
16	NR	24.3	NR	43.2	36.3	40.6	35.6	29.3									

Crest Stages:	
	Date
	Time
	Stage

NR — No Record
* Average of two or more daily staff gage readings.

TABLE 255

DAILY MEAN GAGE HEIGHT
COLUSA BASIN DRAIN AT HIGHWAY 20

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	38.2	37.7	38.1	47.5	50.0	46.9	39.6	44.4	17	38.0	39.2	39.9	48.8	40.6	41.6	42.9	42.3
2	38.2	37.8	39.3	46.7	49.5	47.7	40.2	44.1	18	38.0	39.6	39.8	48.5	40.2	41.0	43.1	42.0
3	38.1	37.8	40.6	47.6	49.0	48.2	39.6	44.1	19	38.0	39.6	39.7	49.1	39.8	40.5	43.4	41.8
4	38.1	37.9	39.5	48.1	48.6	48.7	39.8	44.0	20	38.0	39.4	39.6	50.4	40.0	40.3	43.7	41.6
5	38.0	38.0	39.1	48.6	48.1	48.9	39.5	43.9	21	38.0	39.2	39.2	51.8	45.6	40.9	43.8	41.6
6	38.1	38.0	38.8	49.2	47.4	49.0	39.4	43.8	22	37.9	38.9	38.8	51.5	47.9	41.1	44.4	41.6
7	38.0	38.0	38.6	49.6	46.6	49.0	39.2	43.7	23	37.9	38.8	38.6	50.8	48.1	40.7	45.7	41.7
8	38.0	38.0	38.4	49.8	45.6	49.0	39.6	43.8	24	37.9	38.6	38.9	50.3	48.6	40.2	46.4	41.7
9	38.0	38.0	38.3	49.7	44.6	48.8	39.9	44.1	25	37.9	38.4	40.0	50.4	48.8	40.3	46.6	41.6
10	38.0	38.0	39.8	49.7	43.5	48.6	40.1	44.2	26	37.9	38.4	45.3	51.2	48.6	40.0	46.7	41.5
11	38.0	38.0	41.2	49.7	42.5	48.0	40.9	44.2	27	37.9	38.3	47.9	51.4	48.2	40.2	46.6	41.0
12	38.0	38.0	40.8	49.8	41.8	47.1	42.8	44.6	28	37.8	38.2	48.0	50.7	47.6	41.3	46.1	41.0
13	38.0	38.0	40.9	50.0	41.5	46.0	43.6	44.5	29	37.8	38.2	48.1		46.5	41.1	45.6	40.9
14	38.0	37.9	41.4	50.0	41.2	44.5	43.3	44.1	30	37.7	38.1	48.2		46.7	40.2	45.3	41.0
15	38.0	38.1	40.6	49.8	41.9	42.9	42.9	43.5	31		38.1	48.1		46.7		44.8	
16	38.0	38.7	40.2	49.4	41.4	42.1	42.7	43.0									

Crest Stages:							
Date	1-30-58	2- 8-58	2-13-58	2-21-58	2-27-58	3-25-58	4- 6-58
Time	3:00 PM	1:00 PM	6:00 PM	2:30 PM	2:00 AM	3:00 AM	1:00 PM
Stage	48.3	49.8	50.1	51.9	51.6	48.8	49.0

NR — No Record

TABLE 256

DAILY MEAN GAGE HEIGHT
COLUSA BASIN DRAIN NEAR COLLEGE CITY

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	24.6	23.9	25.8	32.0	NR	NR	NR	NR	17	24.3	25.2	27.0	34.8	NR	NR	NR	28.5
2	24.5	24.0	26.1	32.0	NR	NR	NR	NR	18	24.3	25.4	26.6	34.8	NR	NR	NR	28.0
3	24.4	24.1	27.0	32.1	NR	NR	NR	NR	19	24.4	25.8	26.7	NR	NR	NR	NR	27.7
4	24.5	24.2	27.0	32.3	NR	NR	NR	NR	20	24.4	26.0	26.7	NR	NR	NR	NR	27.5
5	24.4	24.2	26.7	32.5	NR	NR	NR	29.6E	21	24.4	26.4	26.5	NR	NR	NR	NR	27.4
6	24.4	24.4	26.4	32.7	NR	NR	NR	29.5	22	24.4	26.4	26.4	NR	NR	NR	NR	27.1
7	24.4	24.3	26.3	33.0	NR	NR	NR	29.4	23	24.3	26.3	26.3	NR	NR	NR	NR	27.0
8	24.4	24.3	26.2	33.5	NR	NR	NR	29.2	24	24.3	26.2	26.4	NR	NR	NR	NR	27.1
9	24.3	24.3	26.1	34.0	NR	NR	NR	29.1	25	24.3	26.2	26.7	NR	NR	NR	NR	27.0
10	24.4	24.3	26.5	34.2	NR	NR	NR	29.2	26	24.2	26.1	29.3	NR	NR	NR	NR	27.0
11	24.4	24.4	27.3	34.2	NR	NR	NR	29.4	27	24.2	26.0	30.8	NR	NR	NR	NR	26.8
12	24.4	24.3	27.6	34.4	NR	NR	NR	29.5	28	24.2	26.0	31.2	NR	NR	NR	NR	26.6
13	24.3	24.3	27.4	34.6	NR	NR	NR	29.5	29	24.2	25.9	31.6		NR	NR	NR	26.5
14	24.4	24.3	27.7	34.8	NR	NR	NR	29.6	30	24.0	25.8	31.8		NR	NR	NR	26.5
15	24.4	24.3	27.5	35.0	NR	NR	NR	29.4	31		25.8	32.0		NR		NR	
16	24.4	24.6	27.2	34.9	NR	NR	NR	29.0									

Crest Stages:							
	Date	12-21-57	1- 4-58	1-12-58	1-14-58	2-16-58	6-14-58
	Time	2:15 PM	12:15 AM	6:30 AM	7:00 PM	2:30 AM	8:00 PM
	Stage	26.6	27.2	27.7	27.8	35.0	29.6

NR — No Record E - Estimated

TABLE 257

DAILY MEAN GAGE HEIGHT
COLUSA BASIN DRAIN AT KNIGHTS LANDING

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	22.0	22.0	25.9	28.9	36.3	29.4	26.3	28.0	17	NR	22.0	26.6	32.0	27.0	28.7	27.0	26.7
2	21.9	21.8	26.0	28.9	35.8	29.9	26.4	27.8	18	NR	23.4	26.5	32.0	26.8	28.0	27.1	26.4
3	21.7	21.6	26.4	29.2	35.1	31.0	26.4	27.7	19	NR	24.6E	26.4	32.6	26.6	27.3	27.2	26.2
4	21.6	21.5	26.6	29.4	34.5	31.2	26.2	27.7	20	23.5E	25.5	26.4	33.2	26.6	26.9	27.4	25.8
5	21.6	21.5	26.4	29.6	33.6	31.1	26.1	27.6	21	23.8	26.0	26.4	33.5	27.6	26.8	27.4	25.3
6	21.3	21.4	26.3	29.9	33.1	31.2	26.0	27.6	22	23.9	26.2	26.2	33.9	28.6	26.8	27.5E	24.6
7	21.0	21.4	26.2	30.2	32.3	31.3	25.8	27.3	23	24.0	26.2	26.2	34.4	28.8	26.8	27.7E	24.5
8	21.1	21.4	26.1	30.5	31.7	31.4	25.6	26.8	24	24.1	26.2	26.2	34.4	29.1	26.7	28.0	24.5
9	21.2	21.4	26.0	30.7	31.2	31.3	25.7	26.6	25	24.1	26.1	26.3	35.7	29.4	26.6	28.1	24.6
10	21.1	21.0	26.1	30.7	30.6	31.2	25.8	26.6	26	24.0	26.1	27.2	36.2	29.5	26.6	28.2	24.5
11	20.7	20.7	26.5	30.9	30.1	31.1	25.9	26.8	27	23.8	26.0	28.1	36.3	29.5	26.5	28.3	24.5
12	20.5	20.9	26.8	31.0	29.5	30.8	26.4	26.7	28	23.5	26.0	28.3	36.5	29.6	26.6	28.3	24.3
13	20.7	21.0	26.8	31.4	28.9	30.4	26.8	26.6	29	23.1	26.0	28.4		29.4	26.8	28.3	24.3
14	21.2	21.0	26.8	31.6	28.3	30.1	27.1	27.4E	30	22.6	25.9	28.7		29.4	26.6	28.2	24.3
15	NR	20.9	26.9	31.8	27.8	29.7	27.1	27.5	31		25.9	28.8		29.3		28.1	
16	NR	21.0	26.7	31.9	27.4	29.2	27.0	27.1									

Crest Stages:								
	Date	2-10-58	2-17-58	2-24-58	2-28-58	3-28-58	4- 2-58	4- 4-58	4- 7-58
	Time	3:00 AM	11:30 PM	1:30 AM	1:00 PM	1:00 PM	7:00 AM	9:00 AM	5:00 PM
	Stage	31.0	32.0	34.6	36.7	29.6	29.7	31.2	31.4

NR — No Record E - Estimated

TABLE 258

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT KNIGHTS LANDING

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	21.6	21.6	29.6	37.5	39.5	37.7	31.2	29.2	17	28.9	23.7	31.4	39.2	32.6	36.8	32.4	26.3
2	21.4	21.3	28.6	37.6	38.9	38.2	30.4	28.2	18	26.6	28.7	30.7	39.1	31.6	36.5	32.6	26.0
3	21.2	21.1	29.3	37.8	38.5	39.0	30.0	27.9	19	24.6	31.3	29.7	39.2	30.3	36.3	33.0	25.6
4	21.2	21.0	31.0	38.1	38.1	39.2	29.8	28.5	20	23.7	31.9	28.7	39.7	29.5	36.2	33.3	25.2
5	21.1	21.0	30.1	38.3	37.7	39.0	29.7	28.7	21	23.6	30.2	27.8	40.4	30.3	36.0	33.5	24.5
6	20.7	21.0	28.6	38.6	37.4	38.9	29.9	27.9	22	23.6	29.3	26.8	40.4	35.0	35.9	33.5	23.8
7	20.4	20.9	27.4	38.8	37.0	38.9	30.3	27.0	23	23.7	31.4	26.5	39.9	37.4	36.0	33.5	23.2
8	20.7	20.9	26.7	38.8	36.6	38.8	30.3	26.2	24	23.7	32.0	26.3	39.4	37.9	36.2	33.8	22.7
9	20.7	20.9	26.1	38.8	36.2	38.6	30.3	25.9	25	23.7	30.4	27.6	39.7	38.0	36.0	34.1	22.2
10	20.6	20.4	25.9	38.7	35.6	38.4	30.5	25.8	26	23.5	28.7	32.2	40.7	37.8	35.7	34.1	21.7
11	20.0	20.1	27.3	38.7	34.7	38.2	31.0	26.2	27	23.4	27.3	34.7	40.8	37.6	35.3	33.8	21.1
12	19.8	20.4	30.8	38.7	33.6	37.8	31.5	26.0	28	23.0	26.7	36.3	40.2	37.2	34.3	33.3	20.5
13	20.3	20.6	31.4	39.0	32.5	37.4	32.5	26.0	29	22.7	26.8	36.6		37.0	33.2	32.3	20.1
14	20.8	20.5	32.2	39.2	31.9	37.2	33.1	27.1	30	22.1	29.4	36.9		36.9	32.1	31.4	19.7
15	25.1	20.5	32.5	39.1	32.0	37.0	32.9	27.1	31		30.6	37.4		37.4		30.2	
16	30.0	20.7	32.1	39.1	32.6	36.9	32.5	26.7									

Crest Stages:							
Date	11-16-57	12-24-57	1-15-58	2-21-58	2-27-58	3-25-58	4- 4-58
Time	2:30 PM	1:30 AM	4:00 AM	11:30 PM	3:00 AM	1:00 AM	5:00 AM
Stage	30.2	32.3	32.5	40.6	41.0	38.0	39.2

NR — No Record

TABLE 259

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT FREMONT WEIR, WEST END

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	19.2	19.2	26.6	35.3	37.1	35.6	29.9	28.0E	17	25.8	21.8	28.4	36.9	30.4	34.8	30.8	24.9E
2	19.1	19.0	25.7	35.3	36.7	36.1	29.2	26.7E	18	23.8	26.5	27.7	36.9	29.6E	34.7	31.1	24.6
3	18.9	18.8	26.3	35.6	36.3	36.9	29.0	26.9E	19	22.0	28.7	26.8	36.9	28.4E	34.6	31.5	24.2
4	18.8	18.7	27.6	35.9	36.0	37.0	28.9	27.0E	20	21.2	29.0	25.8	37.4	27.4E	34.4	31.9	23.8
5	18.8	18.7	27.0	36.0	35.6	36.8	28.8	26.7E	21	21.0	27.7	24.9	38.0	28.1	34.3	32.1	23.0
6	18.5	18.7	25.7	36.3	35.3	36.7	28.7	26.2E	22	21.0	27.0	24.0	37.9	32.8	34.2	32.0	22.3
7	18.2	18.7	24.6	36.5	35.0	36.6	28.9E	25.4E	23	21.0	28.5	23.7	37.4	35.2	34.3	32.1	21.7
8	18.3	18.6	23.8	36.5	34.6	36.5	29.1E	24.7E	24	21.0	29.0	23.5	37.0	35.8	34.3	32.4	21.1E
9	18.4	18.6	23.3	36.5	34.2	36.4	29.3E	24.3E	25	21.0	27.7	24.7	37.5	36.0	34.2	32.6	20.6
10	18.3	18.3	23.1	36.5	33.6	36.2	29.5E	24.3E	26	20.9	26.1	28.9	38.5	35.8	33.8	32.6	20.0
11	17.9	18.0	24.4	36.5	32.7	36.0	29.8E	24.4E	27	20.7	24.8	32.1	38.5	35.6	33.5	32.4	19.4
12	17.7	18.2	27.4	36.5	31.5	35.7	30.2	24.5E	28	20.4	24.1	34.0	37.8	35.2	32.7	31.8	18.7
13	18.1	18.4	28.1	36.8	30.4	35.5	31.0	24.6E	29	20.1	24.2	34.3		34.9	31.8	31.0	18.3
14	18.7	18.3	28.8	37.0	29.7	35.3	31.4	25.4E	30	19.6	26.2	34.8		34.9	30.8	30.0E	17.7
15	22.8	18.3	29.1	36.9	29.8	35.1	31.2	25.4E	31		27.3	35.3		35.4		29.1E	
16	26.6	18.4	28.9	36.9	30.4	35.0	30.9	25.1E									

Crest Stages:								
Date	2-14-58	2-21-58	2-27-58	3-16-58	3-25-58	4- 4-58	4-24-58	5-25-58
Time	6:45 AM	9:30 PM	12:30 AM	11:00 PM	2:00 AM	2:00 AM	10:00 AM	11:30 PM
Stage	37.0	38.1	38.7	30.6	36.0	37.1	34.3	32.7

NR — No Record E - Estimated

TABLE 260

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT FREMONT WEIR, EAST END

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1				34.5	36.3	34.9			17				36.1		34.3		
2				34.6	35.9	35.4			18				36.0		34.2		
3				34.8	35.5	36.2			19				36.1		34.0		
4				35.0	35.2	36.2			20				36.6		33.9		
5				35.2	34.8	36.0			21				37.1		33.8		
6				35.4	34.6	35.9			22				37.0	a 33.8	33.7		
7				35.6	34.3	35.9			23				36.6	34.5	33.8		
8				35.6	34.0	35.8			24				36.1	35.1	33.8		
9				35.6	a 33.7	35.6			25				36.6	35.2	a 33.6		
10				35.6		35.6			26				37.6	35.0			
11				35.6		35.4			27				37.5	34.8			
12				35.6		35.0			28				36.9	34.6			
13				36.0		34.8			29			a 33.7		34.3			
14				36.1		34.6			30			34.3		34.3			
15				36.0		34.4			31			34.6		34.6			
16				36.0		34.4											

Crest Stages:								
Date	2- 4-58	2-10-58	2-14-58	2-17-58	2-21-58	2-26-58	3-25-58	4- 3-58
Time	6:30 AM	2:00 AM	6:00 AM	3:30 PM	6:30 PM	11:00 PM	2:00 AM	9:00 PM
Stage	35.0	35.6	36.1	36.1	37.2	37.7	35.2	36.3

NR — No Record
a Mean gage height for partial day period of flow to Yolo Bypass via Fremont Weir.

TABLE 261

DAILY MEAN GAGE HEIGHT
SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	17.3	17.2	24.3	35.1	37.5	35.5	29.4	27.7	17	23.2	21.0	27.2	37.2	29.1	34.6	30.0	24.3
2	17.1	17.0	23.6	35.2	36.9	36.2	28.7	26.9	18	21.6	24.7	26.5	37.1	28.6	34.4	30.3	24.0
3	17.0	16.8	24.0	35.6	36.4	37.2	28.2	26.4	19	19.9	26.7	25.5	37.2	27.7	34.2	30.8	23.6
4	16.9	16.8	24.9	35.9	36.0	37.3	28.0	26.5	20	19.0	27.1	24.5	37.7	26.8	34.0	31.2	23.2
5	16.9	16.8	24.8	36.1	35.5	37.0	28.1	26.3	21	18.8	26.3	23.5	38.5	27.2	33.8	31.4	22.4
6	16.6	16.8	23.9	36.4	35.1	36.9	28.4	25.8	22	18.7	25.8	22.6	38.4	31.4	33.7	31.4	21.6
7	16.3	16.7	22.8	36.7	34.6	36.9	28.8	25.1	23	18.6	26.5	22.0	37.8	35.0	33.8	31.4	21.0
8	16.4	16.8	22.1	36.7	34.1	36.7	28.9	24.2	24	18.7	26.9	21.8	37.3	35.9	33.8	31.6	20.4
9	16.4	16.7	21.6	36.7	33.5	36.6	28.8	23.7	25	18.6	26.4	22.8	38.0	36.0	33.6	32.0	19.8
10	16.6	16.5	21.5	36.7	32.7	36.4	28.9	23.4	26	18.5	25.1	26.2	39.1	35.8	33.1	32.0	19.2
11	16.2	16.2	22.6	36.6	31.6	36.2	29.3	23.3	27	18.3	23.6	29.6	39.0	35.5	32.6	31.7	18.5
12	16.0	16.3	24.9	36.7	30.4	35.8	29.8	23.3	28	18.2	22.7	32.9	38.2	35.1	31.8	31.3	17.8
13	16.4	16.5	25.7	37.1	29.4	35.4	30.3	23.4	29	17.9	22.5	33.6		34.6	31.0	30.4	17.2
14	16.9	16.4	26.3	37.2	28.6	35.1	30.6	24.4	30	17.5	23.5	34.5		34.6	30.1	29.6	16.8
15	20.9	16.6	26.9	37.2	28.7	34.9	30.4	24.8	31		24.5	35.1		35.2		28.6	
16	23.5	16.9	27.4	37.2	29.2	34.8	30.0	24.6									

Crest Stages:								
Date	12-20-57	1- 5-58	1-16-58	2-26-58	3-25-58	4- 3-58	5-14-58	5-26-58
Time	3:00 AM	1:00 AM	1:00 PM	10:00 PM	2:00 AM	12:00 Mid.	7:00 AM	3:30 AM
Stage	27.3	25.1	27.4	39.2	36.1	37.4	30.6	32.1

NR — No Record

TABLE 262

DAILY MEAN GAGE HEIGHT
BUTTE SLOUGH AT MAWSON BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	41.7	41.8	44.7	55.5	61.5	54.8	46.0	44.8	17	44.1	43.0	47.5	60.8	47.6	51.0	45.1	44.1
2	41.7	41.6	45.0	56.8	60.3	55.9	45.7	44.6	18	44.0	45.5	47.4	60.5	47.6	50.0	45.1	43.8
3	41.6	41.6	45.9	56.8	59.3	57.8	45.6	44.5	19	43.8	46.2	47.2	60.7	47.4	49.2	45.0	43.5
4	41.5	41.5	46.3	57.5	58.2	59.2	45.5	45.4	20	43.1	46.4	47.0	62.4	47.2	48.6	45.0	43.1
5	41.5	41.4	46.4	58.7	56.8	59.7	45.4	45.5	21	42.7	46.7	46.8	64.6	47.6	48.1	45.0	42.4
6	40.8	41.4	46.5	60.1	55.7	59.8	45.3	45.0	22	42.5	47.1	46.6	64.0	51.2	47.7	45.0	42.0
7	41.1	41.4	46.4	60.5	54.3	59.9	45.3	44.4	23	42.4	47.2	46.4	62.9	55.8	47.4	45.2	41.8
8	41.3	41.3	46.2	60.1	53.0	59.8	45.2	44.2	24	42.3	47.1	46.3	61.8	56.6	47.2	45.5	41.7
9	41.3	41.2	45.9	60.0	51.9	59.6	45.1	44.0	25	42.3	46.9	46.4	61.7	56.4	47.0	45.7	41.6
10	40.8	40.7	45.6	60.0	50.9	59.2	44.7	44.4	26	42.3	46.6	47.2	63.9	55.9	46.8	45.8	41.9
11	40.3	40.7	45.8	60.0	50.0	58.1	44.3	44.7	27	42.4	46.1	51.8	64.1	55.3	46.6	46.0	41.8
12	40.4	41.1	46.0	59.8	49.1	56.7	44.7	44.2	28	42.4	45.4	55.1	62.8	54.3	46.5	46.1	41.5
13	41.2	41.2	46.2	60.0	48.5	55.4	44.9	44.5	29	42.4	45.0	55.1		53.1	46.3	46.0	41.6
14	41.6	40.9	46.4	60.8	48.2	54.3	45.1	45.2	30	42.1	44.9	54.6		52.6	46.2	45.7	42.0
15	42.8	40.8	47.2	60.9	47.9	53.1	45.2	44.6	31		44.8	55.3		53.7		45.2	
16	43.9	41.1	47.5	61.0	47.7	52.1	45.2	44.3									

Crest Stages:	Date	1-17-58	1-28-58	2- 2-58	2- 7-58	2-21-58	2-26-58	3-24-58	4- 7-58
	Time	4:00 AM	7:00 PM	4:30 AM	1:00 PM	3:00 PM	10:00 PM	4:00 AM	4:00 PM
	Stage	47.5	55.5	56.9	60.5	64.8	64.5	56.7	60.0

NR — No Record

TABLE 263

DAILY MEAN GAGE HEIGHT
SUTTER BYPASS AT LONG BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	NR	NR	39.1	47.5	51.4	46.6	40.8	40.7	17	NR	NR	41.5	50.9	41.9	44.4	40.4	40.9
2	NR	NR	39.2E	47.9	50.4	47.2	40.6	40.6	18	NR	NR	41.4	50.6	41.8	43.9	40.5	40.6
3	NR	NR	39.8	47.9	49.7	48.4	40.4	40.7	19	NR	39.6	41.3	50.7	41.7	43.3	40.6	40.6
4	NR	NR	40.3	48.3	48.9	49.4	40.3	41.0	20	NR	NR	41.2	52.0	41.6	42.9	40.6	40.6
5	NR	NR	40.5	49.2	48.0	49.8	40.2	41.2	21	NR	NR	41.0	54.1	42.2	42.5	40.7	40.1
6	NR	NR	40.6	50.2	47.3	49.8	40.1	40.9	22	NR	NR	40.8	53.8	44.3	42.3	40.7	40.2
7	NR	NR	40.6	50.7	46.4	49.9	40.2	40.7	23	NR	NR	40.6	52.8	47.2	42.0	40.7	40.8
8	NR	NR	40.5	50.4	45.6	49.9	40.2	40.6	24	NR	NR	40.5	51.9	47.8	41.8	40.9	40.8
9	NR	NR	40.2	50.2	45:0	49.7	40.4	40.5	25	NR	41.0E	40.5	51.5	47.7	41.7	41.0	40.8
10	NR	NR	39.9	50.2	44.3	49.4	40.3	40.5	26	NR	40.9	41.1	53.2	47.4	41.5	41.1	41.1
11	NR	NR	39.8	50.3	43.7	48.8	40.0	40.6	27	NR	40.5	43.6	53.8	47.0	41.4	41.2	41.0
12	NR	NR	40.1	50.2	43.2	47.9	40.1	40.6	28	NR	39.9	46.4	52.7	46.4	41.3	41.3	40.8
13	NR	NR	40.3	50.1	42.7	47.1	40.3	40.8	29	NR	39.4	46.7		45.7	41.1	41.2	40.9
14	NR	NR	40.4	50.8	42.4	46.3	40.4	41.1	30	NR	39.2	46.3		45.2	41.0	41.1	40.1
15	NR	NR	40.9	51.0	42.2	45.6	40.5	41.0	31		39.1	46.6		45.8		40.8	
16	NR	NR	41.4	51.0	42.0	45.0	40.5	41.0									

Crest Stages:	Date	1-28-58	2- 2-58	2- 7-58	2-16-58	2-21-58	2-27-58	3-24-58	4- 7-58
	Time	11:30 PM	7:00 AM	2:00 PM	9:00 PM	6:00 PM	2:00 AM	7:00 AM	11:00 PM
	Stage	46.8	47.9	50.7	51.0	54.4	54.1	47.8	50.0

NR — No Record E - Estimated

TABLE 264

DAILY MEAN GAGE HEIGHT
WADSWORTH CANAL AT BUTTE HOUSE ROAD

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	49.3	NR	43.2	44.5	49.0	47.9	a 51.4	50.5	17	49.0	49.3	42.8	48.4	43.2	43.5	52.2	NR
2	49.2	NR	44.2	45.2	47.9	49.0	52.9	50.6	18	49.0	49.7	42.7	48.9	43.1	a 44.0	52.3	NR
3	49.3	48.9	43.6	47.4	47.0	49.2	52.9	50.7	19	49.0	49.5	42.7	51.7	43.0	44.5	52.4	NR
4	49.2	48.9	43.3	46.7	46.0	48.0	52.8	50.7	20	49.0	49.3	42.6	51.2	43.2	44.5	52.5	NR
5	49.2	48.9	43.3	47.1	45.1	47.7	52.5	50.8	21	49.0	49.2	42.6	52.3	45.7	44.5	a 52.0	NR
6	49.2	48.9	43.3	47.5	44.4	49.0	52.3	50.6	22	48.9	49.2	42.6	51.8	46.4	44.4	50.8	NR
7	49.2	48.9	43.2	48.4	43.9	48.1	52.2	50.5	23	NR	a 47.9	42.6	50.5	46.1	44.4	50.8	NR
8	49.2	48.8	43.2	48.2	43.7	47.5	52.3	50.4	24	NR	46.8	43.4	50.6	46.5	a 46.9	50.7	a 50.5
9	49.2	48.9	43.2	48.3	43.6	47.1	52.4	50.4	25	NR	46.7	44.0	51.2	45.6	49.6	50.7	NR
10	49.2	48.8	43.3	48.7	43.5	46.8	52.4	50.5	26	NR	46.7	47.4	51.5	44.9	49.5	50.6	NR
11	49.2	48.8	43.2	48.2	43.4	46.0	52.6	50.6	27	NR	46.7	46.1	51.8	44.5	49.6	50.7	NR
12	49.2	48.8	43.1	50.8	43.4	45.0	a 52.7	50.6	28	NR	46.7	44.6	50.4	44.1	49.6	50.6	NR
13	49.2	48.8	43.2	49.8	43.3	44.4	52.0	50.5	29	NR	46.7	44.3		43.9	49.7	50.5	NR
14	49.2	48.8	43.2	49.2	43.3	44.0	51.9	50.4	30	NR	a 45.2	44.2		44.7	50.0	50.6	NR
15	49.2	48.9	43.1	48.8	43.4	43.8	51.9	NR	31		a 43.6	43.9		44.1		50.6	
16	49.0	49.0	42.9	48.6	43.2	43.6	52.1	NR									

Crest Stages:								
	Date	2-12-58	2-19-58	2-21-58	2-24-58	2-27-58	5- 3-58	5-12-58	5-21-58
	Time	4:30 AM	9:00 AM	5:00 PM	6:30 PM	1:00 AM	5:00 AM	3:15 PM	4:00 PM
	Stage	51.3	52.0	52.4	52.1	52.1	53.1	53.1	52.6

NR — No Record
a Board change.

TABLE 265

DAILY GAGE HEIGHT*
SUTTER BYPASS AT STATE PUMPING PLANT 3

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	38.7	38.9	38.6	44.5	49.1	43.4	35.2	38.0	17	38.8	38.7	36.2	48.5	36.7	41.4	38.3	38.1
2	38.7	38.9	38.8	45.1	48.0	44.1	35.0	38.0	18	39.0	38.8	37.2	48.2	36.6	40.4	38.3	38.0
3	38.7	38.8	38.3	45.1	47.1	45.3	36.0	38.2	19	38.8	38.8	36.0	48.3	36.6	39.2	38.3	38.0
4	38.7	38.8	38.4	45.4	46.1	46.3	35.9	38.2	20	38.8	38.6	35.7	49.7	36.4	38.2	38.3	38.1
5	38.7	38.8	38.5	46.2	45.0	47.1	37.2	38.1	21	38.7	38.6	35.6	51.7	37.6	37.6	38.3	38.1
6	38.7	38.8	38.5	47.5	44.1	47.1	38.6	38.0	22	38.7	38.8	35.3	52.2	39.1	37.1	38.4	38.0
7	38.6	38.8	38.5	48.1	43.3	47.2	38.4	37.8	23	38.7	38.6	35.1	50.5	43.4	36.8	38.4	37.8
8	38.6	38.8	38.5	47.9	42.5	47.2	38.1	37.6	24	38.7	38.4	35.1	49.8	44.6	36.8	38.2	38.0
9	38.6	38.8	38.4	47.7	40.9	47.0	38.1	37.6	25	38.8	38.2	35.6	49.8	44.6	36.6	38.2	38.1
10	38.5	38.8	36.9	47.7	41.2	46.7	38.1	37.8	26	38.8	38.4	37.9	50.9	44.2	36.2	38.2	38.4
11	38.5	38.6	34.5	47.7	40.1	46.0	38.0	38.1	27	38.8	38.6	39.0	51.5	43.8	36.0	38.3	38.4
12	38.5	38.6	34.5	47.6	39.0	44.9	38.1	38.1	28	39.0	38.2	42.7	50.5	43.2	35.8	38.3	38.4
13	38.5	38.6	34.6	47.6	38.0	43.9	38.2	38.2	29	39.0	38.0	43.8		42.6	35.6	38.2	38.4
14	38.6	38.7	35.1	48.1	37.5	43.1	38.2	38.3	30	39.0	38.2	43.3		42.1	35.5	38.2	38.5
15	38.7	38.7	36.1	48.5	37.2	42.4	38.2	38.3	31		38.7	43.4		42.2		38.1	
16	38.8	38.7	36.4	48.6	36.8	42.0	38.3	38.2									

Crest Stages:		
	Date	
	Time	
	Stage	

NR — No Record
* Average of two or more daily readings.

TABLE 266

DAILY GAGE HEIGHT*
SUTTER BYPASS AT STATE PUMPING PLANT 2

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar	Apr	May	June
1	28.0	28.6	28.0	40.3	45.4	39.2	31.7	31.8	17	27.3	28.8	32.5	44.8	32.1	36.4	31.7	30.0
2	28.0	28.8	28.4	41.0	44.4	40.5	31.5	31.7	18	28.0	29.2	32.3	44.6	32.1	35.6	31.8	29.5
3	27.9	29.0	29.2	41.2	43.3	41.9	31.4	31.6	19	28.8	30.8	32.2	44.6	32.0	35.0	31.9	29.0
4	27.8	29.2	29.6	41.5	42.3	43.0	31.2	31.5	20	28.9	30.7	32.1	45.9	32.0	34.5	32.0	28.7
5	27.8	29.4	30.0	42.4	41.2	43.5	31.0	31.7	21	28.8	30.9	31.9	47.9	32.3	34.1	32.1	28.7
6	27.6	29.4	30.2	43.5	39.7	43.5	30.7	31.7	22	28.6	31.2	31.8	47.9	34.0	33.8	32.2	28.6
7	27.4	29.4	30.4	44.4	38.9	43.5	31.0	31.4	23	28.3	31.7	31.6	46.9	37.4	33.9	32.1	28.2
8	27.6	29.4	30.4	44.2	37.4	43.5	31.0	30.9	24	28.0	32.1	31.4	46.0	40.4	34.2	32.3	28.4
9	27.7	29.4	30.3	43.9	36.2	43.2	31.1	30.4	25	27.8	32.2	31.4	45.8	40.7	34.0	32.4	29.0
10	27.8	29.3	30.3	44.0	35.2	42.8	31.1	29.8	26	27.7	31.9	33.1	47.2	40.3	33.6	32.4	29.0
11	27.7	29.2	30.2	43.9	34.3	42.1	31.1	29.7	27	27.8	31.6	35.1	48.1	39.6	33.2	32.4	29.0
12	27.6	29.2	30.1	44.0	33.7	41.0	31.4	29.7	28	28.0	30.6	37.1	47.1	38.8	32.5	32.3	28.8
13	27.7	29.2	30.5	43.9	33.1	39.8	31.6	29.6	29	28.2	29.8	39.0		38.0	32.2	32.1	28.6
14	27.9	29.2	32.0	44.6	32.8	38.7	31.6	30.0	30	28.4	28.7	38.9		35.3	31.9	32.0	28.7
15	27.6	29.4	34.0	44.9	32.4	37.7	31.6	30.2	31		NR	39.2		37.7		32.0	
16	26.8	29.4	33.2	44.9	32.3	37.0	31.6	30.2									

Crest Stages:	Date																
	Time																
	Stage																

NR — No Record
* Average of two or more daily readings.

TABLE 267

DAILY GAGE HEIGHT*
SUTTER BYPASS AT STATE PUMPING PLANT 1

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr	May	June
1	27.9	28.6	26.4	38.6	42.8	37.8	31.5	31.2	17	23.5	28.8	31.8	42.2	31.6	36.0	31.3	29.0
2	28.0	28.8	26.4	39.3	41.9	39.2	31.4	30.9	18	26.5	28.8	31.5	42.0	31.6	35.4	31.4	28.2
3	27.8	29.0	27.7	39.4	41.0	40.4	31.3	30.4	19	28.5	29.2	31.4	42.0	31.6	35.0	31.6	27.8
4	27.6	29.2	28.4	39.7	40.3	41.2	31.2	30.8	20	28.6	29.0	31.2	42.9	31.4	34.5	31.7	27.9
5	27.4	29.4	28.6	40.2	39.4	41.3	30.8	31.0	21	28.6	29.8	31.1	44.3	31.6	34.2	31.8	28.3
6	27.4	29.4	28.8	41.1	38.7	41.2	30.3	31.2	22	28.2	30.1	30.9	44.5	32.4	34.0	31.8	28.2
7	27.2	29.4	29.0	41.7	37.8	41.2	30.4	30.8	23	27.8	30.6	30.5	43.7	36.6	33.8	31.8	27.7
8	27.4	29.4	28.8	41.6	36.6	41.2	30.6	30.4	24	27.6	31.3	30.3	42.8	38.9	34.1	31.8	28.1
9	27.6	29.4	28.6	41.4	35.6	40.9	30.8	29.4	25	27.4	31.2	30.3	43.2	39.2	34.0	32.1	28.9
10	27.6	29.2	28.5	41.4	34.6	40.7	30.8	28.6	26	27.4	31.0	31.3	44.3	38.9	34.6	32.3	28.7
11	27.6	29.2	28.8	41.4	33.7	40.2	30.9	28.7	27	27.6	30.6	32.7	44.8	38.4	33.0	32.1	28.8
12	27.6	29.2	28.8	41.4	32.8	39.5	31.0	28.4	28	27.8	30.0	35.2	43.9	37.7	32.4	32.0	28.7
13	27.6	29.2	28.9	41.6	32.3	38.6	31.4	28.2	29	28.0	29.6	37.5		36.9	32.0	31.7	28.4
14	27.6	29.2	30.3	42.0	31.9	37.5	31.3	28.4	30	28.5	27.2	37.6		36.6	31.6	31.6	28.5
15	24.1	29.2	32.2	42.2	31.7	37.1	31.3	28.8	31		NR	38.0		37.0		31.4	
16	23.0	29.2	32.2	42.2	31.7	36.5	31.3	29.0									

Crest Stages:	Date																
	Time																
	Stage																

NR — No Record
* Average of two or more daily readings.

TABLE 268

DAILY MEAN GAGE HEIGHT
FEATHER RIVER NEAR OROVILLE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan	Feb	Mar	Apr.	May	June
1	9.8	9.8	12.2	19.8	26.7	30.9	26.2	21.3	17	11.5	24.3	11.9	31.4	17.4	30.1	27.0	20.7
2	9.6	9.7	13.4	19.6	24.4	33.3	26.6	22.3	18	11.1	24.5	11.6	29.1	16.4	29.5	27.9	20.0
3	9.6	9.6	12.7	24.9	23.1	32.2	26.8	22.4	19	10.7	17.8	11.4	38.3	16.5	29.7	27.8	19.8
4	9.6	9.6	12.1	24.5	21.8	28.0	27.2	20.2	20	10.4	16.7	11.8	34.7	19.4	30.0	27.2	18.3
5	9.5	9.6	11.7	27.1	20.7	26.1	27.8	19.6	21	10.2	18.9	11.1	30.4	32.4	30.7	26.6	18.0
6	9.5	9.3	11.3	24.4	19.7	26.1	28.4	19.3	22	10.0	19.7	11.0	27.9	30.8	31.5	26.4	17.4
7	9.5	9.6	11.3	24.6	18.7	24.7	27.8	18.9	23	10.0	16.5	10.8	26.2	29.7	30.0	26.5	17.1
8	9.5	9.6	11.2	28.3	18.6	24.1	27.4	18.1	24	9.9	14.4	12.7	41.2	29.2	28.0	25.9	16.4
9	9.5	9.7	11.1	27.9	17.9	24.5	27.9	18.2	25	9.9	13.7	13.9	50.2	26.5	26.7	25.3	15.8
10	9.6	9.6	13.3	26.1	16.7	24.8	28.4	17.9	26	9.8	13.1	22.7	40.5	24.6	26.0	24.8	14.6
11	9.9	9.6	15.1	23.6	16.9	25.5	28.9	17.8	27	9.8	12.9	17.2	34.2	23.2	25.6	24.5	14.7
12	9.8	9.6	14.0	35.0	16.5	27.3	28.8	20.0	28	9.8	13.2	14.7	29.8	22.1	25.6	23.6	13.2
13	11.5	9.7	14.0	32.6	16.9	27.9	26.8	22.4	29	9.7	13.7	24.4		22.0	26.0	22.4	12.6
14	22.6	9.6	13.1	28.8	17.9	28.9	25.5	21.7	30	9.7	13.2	29.2		30.0	26.4	22.0	12.9
15	14.7	10.7	12.5	31.7	18.1	29.6	25.2	21.0	31		12.7	22.4		26.7		21.9	
16	11.9	24.1	12.3	34.6	17.2	29.6	26.3	20.9									

Crest Stages:								
	Date	12-16-57	1-29-58	2-12-58	2-19-58	2-24-58	3-21-58	3-30-58	4- 2-58
	Time	5:30 PM	10:00 PM	4:30 PM	1:00 PM	11:30 PM	3:30 PM	4:00 PM	3:30 PM
	Stage	30.3	34.2	38.8	41.1	57.2	35.4	31.6	35.8

NR — No Record

TABLE 269

DAILY MEAN GAGE HEIGHT
FEATHER RIVER NEAR GRIDLEY

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr	May	June
1	78.2	78.2	79.1	81.9	85.1	85.7	83.5	81.4	17	78.7	83.5	79.0	87.0	80.8	85.3	83.3	81.0
2	78.2	78.2	79.4	81.4	84.1	86.7	83.5	81.4	18	78.7	83.8	78.9	85.6	80.7	85.3	83.6	80.7
3	78.1	78.2	79.3	83.3	83.4	87.3	83.6	81.6	19	78.6	81.4	78.8	88.3	80.4	85.3	83.7	80.6
4	78.1	78.2	79.1	83.5	82.8	85.4	83.6	81.1	20	78.4	80.6	78.9	88.8	81.0	85.3	83.5	80.2
5	78.1	78.2	78.9	84.3	82.4	84.5	83.8	80.7	21	78.4	80.8	78.7	86.7	85.2	85.5	83.4	80.1
6	78.1	78.1	78.8	83.8	81.9	84.2	84.0	80.6	22	78.3	81.9	78.7	85.4	86.5	85.8	83.2	79.8
7	78.1	78.1	78.8	83.3	81.6	83.8	83.8	80.4	23	78.3	80.7	78.6	84.5	85.5	85.5	83.2	79.7
8	78.1	78.2	78.8	84.7	81.4	83.4	83.6	80.2	24	78.3	80.0	79.0	86.3	85.8	84.7	83.1	79.5
9	78.0	78.2	78.7	84.8	81.2	83.4	83.7	80.1	25	78.3	79.7	79.6	95.8	84.6	84.2	82.9	79.2
10	78.0	78.2	79.0	84.5	80.8	83.5	83.9	80.1	26	78.2	79.3	82.1	91.8	83.8	83.8	82.7	79.0
11	78.2	78.2	80.0	83.4	80.8	83.6	83.9	79.9	27	78.2	79.3	81.3	88.4	83.2	83.6	82.6	78.6
12	78.2	78.2	79.6	86.3	80.7	84.1	84.2	80.2	28	78.2	79.3	80.1	86.6	82.7	83.4	82.2	78.4
13	78.2	78.2	79.7	87.9	80.8	84.5	83.6	81.5	29	78.2	79.5	81.1		82.4	83.4	82.0	78.1
14	82.0	78.2	79.4	85.5	80.9	84.8	83.1	81.4	30	78.2	79.4	85.7		85.0	83.5	81.6	78.1
15	80.1	78.3	79.2	86.3	81.3	85.1	82.7	81.1	31		79.2	83.2		84.6		81.6	
16	79.1	81.7	79.1	87.4	80.8	85.2	83.0	81.0									

Crest Stages:								
	Date	1-30-58	2-12-58	2-16-58	2-19-58	2-25-58	3-21-58	4- 1-58	4- 2-58
	Time	5:30 PM	11:00 PM	5:00 PM	8:00 PM	8:30 AM	11:00 PM	1:00 PM	9:00 PM
	Stage	86.6	89.4	88.2	90.4	96.9	87.4	86.7	88.0

NR — No Record

TABLE 270

DAILY MEAN GAGE HEIGHT
FEATHER RIVER AT YUBA CITY

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	42.1	42.2	43.9	49.0	54.2	55.3	51.0	49.2	17	43.1	49.1	43.7	57.1	47.1	53.5	51.9	48.4
2	42.1	42.2	44.1	47.7	52.3	57.9	51.0	49.0	18	42.8	49.5	43.5	55.5	46.9	53.7	52.6	48.2
3	42.0	42.1	44.6	51.2	50.9	60.0	51.2	49.9	19	42.7	48.2	43.4	56.1	46.4	53.5	53.0	48.0
4	42.0	42.1	44.0	52.4	50.0	57.6	51.4	49.3	20	42.6	46.2	43.4	59.4	46.8	53.5	53.1	47.6
5	41.9	42.1	43.7	52.4	49.2	54.6	51.9	48.3	21	42.4	46.1	43.2	57.4	50.8	53.8	52.7	47.2
6	41.9	42.1	43.4	52.7	48.6	53.6	52.6	48.2	22	42.4	47.8	43.1	55.0	56.1	54.2	52.4	47.0
7	41.9	42.0	43.3	51.1	48.1	53.2	52.6	47.9	23	42.3	46.7	43.0	53.2	55.5	54.2	52.5	46.7
8	41.9	42.1	43.2	52.6	47.8	51.9	52.2	47.5	24	42.2	45.4	43.3	53.0	55.3	53.3	52.7	46.5
9	41.8	42.1	43.2	53.8	47.5	51.2	52.2	47.6	25	42.2	44.8	45.2	63.4	54.4	52.2	52.4	46.1
10	41.9	42.1	43.5	53.7	47.1	51.1	52.7	47.4	26	42.2	44.3	48.3	63.8	52.7	51.5	51.8	45.8
11	42.0	42.1	45.2	52.5	46.7	51.1	52.8	47.2	27	42.2	44.2	51.3	59.7	51.2	51.1	51.4	45.3
12	42.1	42.1	45.1	53.4	46.6	51.6	53.2	47.2	28	42.2	44.1	47.4	56.6	50.2	50.9	50.6	45.1
13	42.1	42.1	45.0	58.3	46.6	52.3	52.4	48.5	29	42.2	44.4	46.1		49.6	50.8	50.1	44.5
14	45.0	42.1	44.6	56.3	46.8	52.6	51.4	48.8	30	42.2	44.5	52.4		52.6	50.9	49.6	44.3
15	45.7	42.2	44.2	55.4	48.3	53.2	51.0	48.6	31		44.2	52.3		54.6		49.4	
16	43.9	44.4	43.9	56.4	47.5	53.4	51.2	48.4									

Crest Stages:								
	Date	2-13-58	2-17-58	2-20-58	2-25-58	3-22-58	3-24-58	3-31-58	4- 3-58
	Time	12:30 PM	7:30 AM	10:30 AM	9:00 PM	4:30 PM	3:00 PM	1:00 AM	1:00 PM
	Stage	58.8	57.3	59.9	66.1	56.7	55.5	55.0	60.4

NR — No Record

TABLE 271

DAILY MEAN GAGE HEIGHT
YUBA RIVER AT ENGLEBRIGHT DAM

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	NR	NR	0.8	1.8	2.6	4.1	2.5	2.8	17	NR	NR	0.7	3.7	1.7	2.9	3.8	2.7
2	NR	NR	0.8	1.8	2.4	4.5	2.6	3.0	18	NR	NR	0.7	3.2	1.6	3.0	4.1	2.6
3	NR	NR	0.8	3.0	2.2	4.5	2.7	3.5	19	NR	0.2	0.6	4.4	1.5	3.0	4.2	2.6
4	NR	NR	0.7	2.6	2.0	3.4	2.9	2.8	20	NR	1.0	0.6	3.9	1.7	3.0	4.2	2.5
5	NR	NR	0.6	2.8	1.8	3.0	3.4	2.8	21	NR	1.2	0.5	3.2	3.3	3.1	4.0	2.3
6	NR	NR	0.6	2.5	1.8	2.9	3.7	2.7	22	NR	1.6	0.5	2.8	3.6	3.2	4.0	2.3
7	NR	NR	0.5	2.3	1.7	2.5	3.5	2.6	23	NR	1.2	0.5	2.6	3.2	2.9	4.1	2.2
8	NR	NR	0.5	3.0	1.7	2.4	3.4	2.6	24	NR	0.9	0.9	4.3	3.4	2.6	4.2	2.1
9	NR	NR	0.5	2.9	1.6	2.3	3.6	2.6	25	NR	0.8	1.5	7.1	3.0	2.5	4.0	1.9
10	NR	NR	0.8	2.8	1.5	2.3	3.8	2.5	26	NR	0.7	2.3	4.5	2.7	2.4	3.8	1.6
11	NR	NR	1.2	2.4	1.4	2.4	3.8	2.4	27	NR	0.7	2.1	3.4	2.4	2.4	3.6	1.4
12	NR	NR	1.1	4.2	1.4	2.6	3.6	2.4	28	NR	0.7	1.6	3.0	2.2	2.3	3.1	1.3
13	NR	NR	1.1	3.9	1.4	2.7	3.2	2.5	29	NR	1.0	1.7		2.2	2.4	3.1	1.2
14	NR	NR	1.0	3.2	1.7	2.8	3.1	2.4	30	NR	1.0	3.2		4.0	2.4	2.9	1.2
15	NR	NR	0.8	3.7	1.9	2.9	3.2	2.6	31		0.9	2.3		3.3		3.0	
16	NR	NR	0.7	4.1	1.8	2.9	3.5	2.7									

Crest Stages:					
	Date	2-12-58	2-19-58	2-25-58	4- 2-58
	Time	4:30 PM	2:00 PM	1:00 AM	9:00 PM
	Stage	5.6	5.2	9.3	5.3

NR — No Record

TABLE 272

DAILY MEAN GAGE HEIGHT
YUBA RIVER NEAR MARYSVILLE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	NR	NR	NR	NR	NR	NR	65.9	66.3	17	NR	63.6	63.4	NR	65.1	NR	67.8	65.9
2	NR	NR	NR	NR	NR	NR	66.0	66.5	18	NR	64.0	63.3	NR	NR	NR	68.2	65.8
3	NR	NR	NR	NR	NR	NR	66.2	67.2	19	NR	NR	63.2	NR	NR	66.8	68.4	65.8
4	NR	NR	NR	NR	NR	NR	66.4	66.3	20	NR	NR	63.2	NR	NR	66.8	68.3	65.6
5	NR	NR	NR	NR	NR	NR	67.2	66.1	21	NR	NR	63.1	NR	NR	67.0	68.0	65.2
6	NR	NR	NR	67.0	65.3	NR	67.7	66.0	22	NR	NR	63.0	NR	NR	67.2	68.0	NR
7	NR	NR	NR	66.6	65.1	NR	67.5	65.8	23	NR	NR	63.0	NR	67.8	66.9	68.1	NR
8	NR	NR	NR	68.1	65.1	66.4	67.3	65.6	24	NR	NR	NR	NR	68.0	66.4	68.2	NR
9	NR	NR	NR	67.7	64.8	66.2	67.4	65.9	25	NR	NR	NR	NR	67.3	66.0	67.9	NR
10	NR	NR	NR	NR	64.7	66.1	67.8	65.8	26	NR	NR	NR	70.8	66.7	65.7	67.7	64.2
11	NR	NR	NR	NR	64.5	66.2	67.7	65.7	27	NR	NR	NR	68.4	66.2	65.7	67.5	64.0
12	NR	NR	NR	NR	64.5	66.4	67.7	65.6	28	NR	NR	NR	NR	65.8	65.7	66.7	63.8
13	NR	NR	NR	NR	64.5	66.4	67.0	65.6	29	NR	NR	NR		65.7	65.7	66.7	63.6
14	NR	NR	64.0	NR	65.5	NR	66.7	65.5	30	NR	NR	NR		NR	65.8	66.5	63.6
15	NR	NR	63.7	NR	65.7	NR	66.9	65.8	31		NR	NR		NR		66.6	
16	NR	NR	63.5	NR	65.2	NR	67.4	65.8									

Crest Stages:	Date	2-25-58
	Time	5:30 AM
	Stage	78.9

NR — No Record

TABLE 273

DAILY MEAN GAGE HEIGHT
FEATHER RIVER BELOW SHANGHAI BEND

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	36.5	36.5	38.5	44.7	50.2	50.2	46.4	44.7	17	37.5	43.9	38.4	53.0	43.1	49.3	47.8	43.8
2	36.4	36.5	38.8	43.1	48.2	52.6	46.4	44.5	18	37.2	44.5	38.2	51.5	42.9	49.5	48.6	43.6
3	36.4	36.5	39.4	46.8	46.7	55.4	46.6	45.7	19	37.1	43.3	38.0	51.8	42.7	49.4	49.1	43.3
4	36.4	36.4	38.8	48.2	45.6	53.8	46.8	45.0	20	36.9	40.9	38.0	55.1	42.5	49.4	49.2	43.0
5	36.2	36.4	38.3	48.2	44.8	51.2	47.3	43.7	21	36.7	40.8	37.8	53.4	43.2	49.5	48.8	42.3
6	36.1	36.4	38.1	48.5	44.1	50.0	48.0	43.5	22	36.7	42.8	37.6	51.0	51.2E	49.8	48.5	42.1
7	36.0	36.3	37.8	47.0	43.5	49.4	48.4	43.1	23	36.6	41.8	37.5	49.2	51.6	50.1	48.6	41.9
8	36.0	36.4	37.8	48.4	43.1	48.2	48.3	42.7	24	36.6	40.3	37.9	48.6	51.3	49.6	48.8	41.6
9	36.1	36.4	37.7	49.6	42.8	47.3	48.1	42.9	25	36.6	39.5	40.2	58.3	50.6	48.4	48.4	41.3
10	36.2	36.4	38.1	49.5	42.3	47.1	48.3	42.6	26	36.5	38.9	43.6	59.6	49.0	47.5	47.9	40.8
11	36.3	36.4	40.0	48.2	42.0	47.0	48.7	42.3	27	36.5	38.7	46.9	55.7	47.5	46.9	47.4	40.2
12	36.4	36.4	40.0	49.2	41.9	47.2	49.0	42.3	28	36.5	38.6	42.9	52.7	46.5	46.5	46.4	40.0
13	36.4	36.4	39.9	53.9	41.8	47.8	48.8	43.6	29	36.5	39.0	41.2		45.6	46.3	45.8	39.7
14	38.8	36.4	39.5	52.3	42.0	48.2	47.9	44.0	30	36.5	39.3	47.6		46.3	46.3	45.2	39.5
15	40.5E	36.5	39.0	51.4	42.8	48.7	47.2	43.9	31		38.9	48.2		49.3		44.9	
16	38.4	38.3E	38.6	52.2	43.2	49.2	47.2E	43.7									

Crest Stages:	Date	2-13-58	2-17-58	2-20-58	2-25-58	3-22-58	3-24-58	4- 3-58	4-23-58
	Time	1:30 PM	9:00 AM	1:30 PM	10:00 PM	6:30 PM	3:30 PM	3:00 PM	1:30 PM
	Stage	54.4	53.2	55.5	61.1	52.5	51.5	55.8	50.2

NR — No Record E - Estimated

TABLE 274

DAILY MEAN GAGE HEIGHT
BEAR RIVER NEAR WHEATLAND

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec	Jan	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr	May	June
1	1.8	2.0	2.5	3.4	3.9	9.2	0.9	1.8	17	2.2	4.2	2.6	4.3	4.3	3.7	2.1	1.4
2	1.8	2.0	3.1	4.0	3.7	9.7	1.2	1.7	18	2.1	4.7	2.6	4.0	3.8	3.6	2.1	1.2
3	1.8	2.1	3.1	7.2	3.5	10.7	2.4	1.8	19	2.1	3.5	2.5	6.0	3.5	3.6	2.0	1.0
4	1.8	2.0	2.7	5.3	3.4	7.4	2.5	1.8	20	2.1	3.0	2.4	5.1	3.6	3.4	2.0	0.7
5	1.7	2.0	2.6	5.3	3.2	6.4	2.5	1.7	21	2.1	2.8	2.4	4.3	5.7	3.4	2.0	0.8
6	1.7	2.0	2.5	4.7	3.2	6.6	2.5	1.7	22	2.0	3.7	2.3	3.9	7.4	3.3	2.0	0.8
7	1.7	2.0	2.4	4.6	3.1	5.8	2.4	1.7	23	2.0	3.0	2.3	3.7	6.0	3.3	2.2	0.7
8	1.8	2.0	2.4	5.0	3.2	4.9	2.4	1.7	24	1.9	2.8	2.8	4.8	6.7	3.1	2.2	0.7
9	1.8	1.9	2.4	4.5	3.1	4.6	2.3	1.6	25	1.9	2.6	4.0	7.9	5.9	3.0	2.0	0.7
10	1.8	1.9	3.3	4.5	3.0	4.4	2.3	1.7	26	1.9	2.5	6.2	5.7	5.3	2.9	2.0	0.7
11	1.8	1.9	3.6	4.1	3.0	4.4	2.4	1.6	27	1.9	2.5	5.0	4.7	4.8	2.8	1.9	0.7
12	1.8	1.9	3.0	7.1	2.9	4.2	2.6	1.7	28	1.9	2.5	3.7	4.2	4.6	2.8	1.9	0.7
13	1.8	1.9	3.0	6.0	3.1	4.0	2.5	1.8	29	1.9	2.8	3.6		4.4	2.1	1.9	0.8
14	2.4	1.9	2.9	4.9	4.1	4.0	2.3	1.6	30	1.9	2.7	6.1		8.6	1.1	1.9	0.8
15	2.4	2.1	2.8	5.3	5.8	3.9	2.2	1.5	31		2.5	4.2		6.7		1.8	
16	2.4	3.8	2.7	4.7	4.7	3.8	2.2	1.4									

Crest Stages:								
	Date	1-26-58	2- 3-58	2-12-58	2-25-58	3-15-58	3-22-58	3-30-58	4- 2-58
	Time	6:00 PM	6:00 AM	2:00 PM	2:00 AM	3:00 AM	5:00 AM	1:00 PM	12:00 Mid.
	Stage	7.5	8.1	8.6	8.8	6.9	8.7	11.0	12.9

NR — No Record

TABLE 275

DAILY MEAN GAGE HEIGHT
DRY CREEK NEAR WHEATLAND

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	2.9	3.0	3.2	3.8	3.9	8.1	3.3	3.1	17	3.0	4.4	3.3	4.0	3.9	3.6	3.2	3.1
2	NP	3.0	4.2	4.7	3.8	8.4	3.3	3.1	18	3.0	4.7	3.3	4.2	3.7	3.6	3.2	3.1
3	NP	3.0	3.9	7.5	3.7	7.7	3.2	3.1	19	3.0	3.7	3.3	6.4	3.6	3.6	3.2	3.1
4	NP	3.0	3.5	4.9	3.6	5.4	3.2	3.1	20	3.0	3.4	3.3	4.9	3.7	3.6	3.2	3.1
5	NP	3.0	3.4	4.5	3.6	4.9	3.2	3.2	21	3.0	3.3	3.2	4.3	5.5	3.5	3.2	3.0
6	NP	3.0	3.3	4.1	3.5	6.1	3.2	3.1	22	3.0	3.7	3.2	4.1	6.1	3.5	3.2	3.0
7	NP	3.0	3.3	4.7	3.5	5.1	3.2	3.1	23	3.0	3.4	3.2	4.0	5.1	3.5	3.3	3.0
8	NP	3.0	3.2	5.4	3.6	4.5	3.2	3.1	24	3.0	3.3	3.7	5.2	5.2	3.4	3.3	2.9
9	NP	3.0	3.2	4.7	3.5	4.2	3.2	3.2	25	3.0	3.2	4.3	6.6	4.6	3.4	3.2	NP
10	NP	3.0	4.3	4.8	3.4	4.1	3.2	3.1	26	3.0	3.2	7.2	4.8	4.2	3.4	3.2	NP
11	2.9	3.0	4.1	4.3	3.4	4.0	3.2	3.1	27	3.0	3.2	5.1	4.3	4.1	3.4	3.2	NP
12	2.9	3.0	3.7	7.1	3.4	3.8	3.3	3.1	28	3.0	3.2	4.1	4.1	4.0	3.4	3.0	NP
13	3.0	3.0	3.7	5.0	3.4	3.8	3.3	3.2	29	3.0	3.2	4.0		3.9	3.4	2.9	NP
14	3.1	3.0	3.6	4.5	4.1	3.7	3.3	3.2	30	3.0	3.2	5.4		6.6	3.3	3.0	NP
15	3.3	3.1	3.4	4.6	4.7	3.7	3.3	3.2	31		3.2	4.1		4.9		3.2	
16	3.1	4.1	3.4	4.2	4.1	3.6	3.2	3.2									

Crest Stages:								
	Date	1-26-58	2- 3-58	2-12-58	2-19-58	2-24-58	3-22-58	3-30-58	4- 2-58
	Time	2:00 PM	5:00 AM	11:00 AM	10:30 AM	11:00 PM	2:00 AM	9:00 AM	10:00 PM
	Stage	8.2	9.5	8.9	7.5	9.0	7.4	8.4	11.4

NR — No Record NP - No Flow

TABLE 276

DAILY MEAN GAGE HEIGHT
FEATHER RIVER AT NICOLAUS

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	24.2	24.2	27.1	37.2	41.5	40.1	35.2	33.5	17	25.8	32.0	27.9	41.8	32.8	38.2	36.0	32.1
2	24.2	24.2	27.1	36.6	40.2	41.9	35.2	33.1	18	25.2	33.6	27.4	41.4	32.1	38.3	36.5	31.9
3	24.0	24.3	28.2	38.3	39.2	43.8	35.4	33.8	19	24.9	33.4	26.9	41.2	31.3	38.2	37.0	31.6
4	24.0	24.2	27.8	39.3	38.3	42.8	35.6	34.0	20	24.7	30.5	26.5	42.9	31.1	38.1	37.2	31.3
5	24.0	24.2	27.2	39.3	37.5	41.3	35.9	32.3	21	24.6	29.7	26.3	43.4	34.0	38.1	37.0	30.4
6	23.9	24.2	26.6	39.8	36.7	40.7	36.5	32.1	22	24.5	31.1	25.9	42.7	39.2	38.2	36.8	30.2
7	23.8	24.1	26.1	39.6	36.0	40.5	36.8	31.6	23	24.4	31.4	25.7	41.6	40.2	38.4	36.8	29.8
8	23.9	24.2	26.0	39.9	35.4	40.0	36.5	31.1	24	24.3	29.8	25.8	40.8	40.2	38.0	37.0	29.3
9	23.9	24.2	25.8	40.4	34.8	39.4	36.3	31.2	25	24.3	28.6	28.4	43.7	40.1	37.2	36.9	28.9
10	23.9	24.2	26.0	40.4	34.0	39.2	36.6	31.0	26	24.3	27.6	31.9	45.7	39.2	36.6	36.5	28.1
11	24.0	24.2	28.1	40.1	33.1	38.9	36.9	30.6	27	24.2	27.0	36.8	44.4	38.3	36.1	36.2	27.3
12	24.0	24.2	29.0	40.2	32.2	38.6	37.1	30.5	28	24.2	26.8	35.2	42.9	37.5	35.7	35.6	26.8
13	24.1	24.2	28.7	42.0	31.6	38.4	36.9	31.5	29	24.2	27.0	34.5		36.8	35.5	34.9	26.1
14	NR	24.2	28.8	42.0	31.6	38.2	36.1	32.3	30	24.2	27.7	37.3		37.7	35.2	34.3	25.8
15	NR	24.3	28.5	41.4	33.9	38.2	35.6	32.2	31		27.5	38.4		39.9		33.7	
16	27.0	25.5	28.3	41.5	33.4	38.3	35.6	32.0									

Crest Stages.							
Date	1-27-58	1-31-58	2-13-58	2-21-58	2-26-58	3-23-58	4- 3-58	5-20-58
Time	1:00 PM	5:00 AM	10:00 PM	9:00 AM	5:00 AM	3:00 AM	3:00 PM	11:00 PM
Stage	37.0	38.6	42.3	43.4	46.1	40.4	44.1	37.2

NR – No Record

TABLE 277

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT VERONA

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	16.3	16.2	23.1	33.8	36.6	34.8	28.4	26.5	17	22.0	20.0	25.0	36.2	28.1	33.6	29.2	23.4
2	16.1	16.0	22.4	33.8	35.9	35.7	27.7	25.9	18	20.3	24.2	24.3	36.2	27.4	33.4	29.5	23.1
3	15.9	15.8	23.0	34.5	35.4	36.7	27.3	25.3	19	18.7	26.1	23.4	36.4	26.2	33.2	29.9	22.8
4	15.9	15.8	23.8	34.9	34.9	36.7	27.2	25.6	20	17.9	26.0	22.5	37.0	25.3	33.0	30.3	22.4
5	15.8	15.8	23.4	35.0	34.4	36.3	27.2	25.2	21	17.7	25.0	21.8	37.6	26.2	32.8	30.5	21.5
6	15.5	15.8	22.4	35.3	34.0	36.2	27.5	24.5	22	17.6	24.6	20.9	37.5	30.8	32.8	30.5	20.8
7	15.3	15.7	21.4	35.5	33.4	36.1	27.9	23.8	23	17.5	25.5	20.4	36.9	34.1	32.8	30.6	20.2
8	15.4	15.7	20.7	35.7	32.9	35.9	28.0	23.0	24	17.6	25.7	20.3	36.4	35.0	32.8	30.8	19.6
9	15.4	15.7	20.2	35.7	32.3	35.7	27.8	22.6	25	17.5	24.7	21.7	37.1	35.2	32.6	31.2	19.0
10	15.5	15.5	20.1	35.7	31.5	35.6	28.0	22.4	26	17.3	23.3	25.6	38.3	34.8	32.1	31.2	18.3
11	15.2	15.2	21.4	35.6	30.4	35.3	28.4	22.5	27	17.2	22.0	29.8	38.2	34.5	31.6	30.9	17.6
12	15.1	15.3	23.8	35.7	29.1	34.8	28.9	22.4	28	17.1	21.2	31.7	37.4	34.0	30.9	30.4	16.9
13	15.3	15.5	24.5	36.2	27.9	34.4	29.4	22.6	29	16.8	21.1	32.2		33.5	30.1	29.5	16.3
14	15.9	15.4	25.1	36.3	27.2	34.1	29.7	23.7	30	16.5	22.3	33.3		33.0	29.2	28.6	15.8
15	20.0	15.5	25.4	36.2	27.8	33.9	29.5	23.9	31		23.4	34.0		34.4		27.4	
16	22.5	15.9	25.4	36.2	28.2	33.7	29.2	23.7									

Crest Stages:							
Date	11-16-57	12-20-57	12-31-57	1-16-58	2-26-58	3-25-58	4- 3-58	5-25-58
Time	8:00 PM	3:00 AM	1:00 AM	3:00 AM	12:00 Mid.	2:00 AM	9:00 PM	12:00 Mid.
Stage	22.7	26.3	23.5	25.4	38.5	35.2	37.0	31.2

NR – No Record

TABLE 278

DAILY GAGE HEIGHT*
SACRAMENTO RIVER AT PRITCHARD LAKE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb	Mar	Apr	May	June
1	NR	NR	NR	NR	35.6	34.1	26.9	25.9	17	NR	NR	NR	NR	NR	NR	28.5	22.4
2	NR	NR	NR	32.9	34.7	34.9	26.6	24.6	18	NR	NR	NR	34.8	NR	NR	28.5	22.3
3	NR	NR	NR	33.1	34.3	35.8	26.4	24.3	19	NR	NR	NR	35.3	NR	NR	29.3	21.9
4	NR	NR	NR	33.2	NR	35.7	26.2	24.3	20	NR	NR	NR	36.0	NR	NR	29.4	21.5
5	NR	NR	NR	33.5	NR	35.5	26.0	24.3	21	NR	NR	NR	36.4	26.6	NR	29.4	20.9
6	NR	NR	NR	34.2	NR	35.3	26.0	23.7	22	NR	NR	NR	36.1	32.4	NR	29.7	19.9
7	NR	NR	NR	34.2	NR	35.4	26.3	22.9	23	NR	NR	NR	35.3	33.0	NR	29.9	19.3
8	NR	NR	NR	34.2	NR	35.1	27.0	22.9	24	NR	NR	NR	35.0	34.0	NR	29.9	18.9
9	NR	NR	NR	34.3	NR	34.9	27.0	21.5	25	NR	NR	NR	36.0	34.2	NR	30.0	18.2
10	NR	NR	NR	34.3	NR	34.8	27.0	21.4	26	NR	NR	24.5	37.1	34.0	NR	NR	17.5
11	NR	NR	NR	34.2	NR	34.5	27.0	21.5	27	NR	NR	27.0	36.8	NR	30.5	29.9	16.7
12	NR	NR	NR	34.5	NR	NR	27.7	21.4	28	NR	NR	NR	36.0	NR	30.3	29.8	16.0
13	NR	NR	NR	34.9	NR	NR	27.7	20.9	29	NR	NR	NR		32.1	29.0	29.0	15.5
14	NR	NR	NR	34.9	NR	NR	28.7	22.4	30	NR	NR	32.4		32.5	28.7	28.0	14.9
15	NR	NR	NR	34.7	NR	NR	29.0	22.9	31		NR	32.5		33.5		27.0	
16	NR	NR	NR	NR	NR	NR	28.5	22.7									

Crest Stages:	Date						
	Time						
	Stage						

NR – No Record
* Individual daily staff gage readings.

TABLE 279

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER OPPOSITE SACRAMENTO WEIR

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1					29.6	29.1			17				28.3		26.4		
2					29.0	30.4			18				28.5		26.3		
3					28.4	31.4			19				29.8		25.8		
4					27.1	31.5			20				30.7		25.4		
5					26.5	31.4			21				30.8		25.3		
6					26.1	31.4			22				29.8		25.3		
7					25.6	31.6			23				28.9	26.0	25.2		
8					a 25.2	31.1			24				28.5	28.5	25.3	a 25.1	
9						30.9			25				29.9	29.2	25.1	25.6	
10						30.8			26				31.4	28.9		25.7	
11				27.9E		29.9			27				31.5	28.5		25.3	
12				28.2		28.0			28				30.7	27.6			
13				28.6		27.2			29					26.4			
14				28.5		26.9			30					26.2			
15				28.4		26.7			31					27.5			
16				28.2		26.6											

Crest Stages:	Date	2-13-58	2-21-58	2-27-58	3-25-58	4- 3-58	4- 5-58	4- 7-58	5-26-58
	Time	3:00 PM	11:30 AM	3:00 AM	6:30 AM	8:00 PM	1:00 AM	7:00 PM	8:00 AM
	Stage	28.6	30.9	31.6	29.2	31.6	31.5	31.7	25.8

NR – No Record
a Mean gage height for partial day period of flow to Sacramento Bypass via Sacramento Weir.

TABLE 280

DAILY GAGE HEIGHT*
SACRAMENTO RIVER AT SECOND BANNON SLOUGH

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	NR	NR	14.3	24.3	28.8	29.0	NR	20.5	17	NR	11.6	NR	27.3	20.2	25.6	NR	16.6
2	NR	9.4	14.3	24.5	28.1	30.2	20.4	20.5	18	NR	14.8	15.7	27.7	19.6	25.3	21.2	16.8
3	NR	NR	14.0	25.3	27.3	31.1	19.9	19.6	19	NR	16.4	NR	29.5	18.7	24.8	21.5	16.8
4	NR	NR	14.9	25.7	25.6	31.1	19.3	19.1	20	NR	NR	14.4	30.2	17.8	24.5	22.8	16.6
5	NR	NR	NR	25.6	25.4	31.1	NR	18.7	21	NR	NR	NR	30.0	18.8	24.4	23.0	15.8
6	9.2	9.2	14.2	25.8	25.0	31.2	NR	17.7	22	NR	NR	NR	28.7	23.2	24.3	23.4	15.0
7	NR	9.0	13.4	26.3	24.5	31.2	20.2	17.1	23	NR	NR	12.7	27.8	25.6	24.3	23.5	14.2
8	NR	NR	NR	26.7	24.0	30.6	NR	16.5	24	NR	16.2	12.8	28.0	28.3	24.3	24.4	13.6
9	NR	NR	NR	26.8	23.6	30.6	20.2	15.9	25	NR	NR	13.9	29.8	28.6	24.2	25.1	12.5
10	NR	NR	12.4	27.0	23.0	30.4	20.2	15.7	26	NR	14.7	17.3	30.8	28.3	24.0	25.2	12.1
11	NR	NR	13.0	27.0	21.8	29.0	20.4	15.6	27	NR	NR	20.2	30.8	27.8	23.4	24.7	12.0
12	NR	8.6	NR	27.4	21.0	27.4	20.9	15.7	28	NR	NR	21.5	29.6	26.6	23.0	24.2	13.2
13	9.0	NR	15.8	27.7	20.1	26.3	21.2	15.6	29	NR	NR	22.6		25.3	NR	24.0	11.0
14	9.4	NR	16.2	27.6	19.2	26.0	21.6	16.3	30	NR	NR	23.7		25.5	NR	23.0	10.0
15	NR	NR	16.4	27.5	19.6	25.8	21.5	16.6	31		14.5	24.3		26.8		22.4	
16	NR	9.8	NR	27.2	20.2	25.7	21.2	16.8									

Crest Stages:	Date					
	Time					
	Stage					

NR – No Record
* Average of two or more daily staff gage readings.

TABLE 281

DAILY MEAN GAGE HEIGHT
AMERICAN RIVER AT FAIR OAKS

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr.	May	June
1	3.3	1.9	2.2	3.3	7.2	9.2	5.1	7.3	17	3.6	1.9	2.9	5.3	4.7	6.0	6.1	5.4
2	3.4	1.9	2.2	3.3	7.2	9.4	5.1	7.3	18	3.6	2.2	2.8	6.2	4.6	5.9	6.0	5.8
3	3.4	1.9	2.2	3.7	6.1	9.6	5.1	6.6	19	3.6	2.2	2.8	8.0	4.7	5.0	6.0	6.1
4	3.4	1.9	2.2	3.8	4.7	10.4	5.1	6.0	20	3.6	2.2	2.8	8.8	4.6	5.0	6.1	6.0
5	3.4	1.9	2.2	3.8	4.6	10.8	5.0	5.3	21	3.6	2.2	2.8	7.9	5.1	5.0	6.1	5.6
6	3.4	1.9	2.2	3.9	4.6	11.2	5.0	5.2	22	3.4	2.2	2.8	5.3	5.2	5.0	6.7	5.5
7	3.4	1.9	2.2	4.5	4.6	11.6	5.0	5.2	23	2.7	2.2	2.8	4.7	5.8	5.0	7.0	5.0
8	3.4	1.9	2.2	5.0	4.6	10.2	5.0	5.2	24	2.7	2.2	2.8	5.6	8.9	5.1	8.0	4.9
9	3.4	1.8	2.4	5.6	4.5	10.6	5.0	5.2	25	2.5	2.2	2.8	7.8	8.8	5.1	8.4	4.4
10	3.4	1.7	2.9	5.6	4.5	10.5	5.0	5.2	26	2.2	2.2	2.8	8.9	8.6	5.1	8.4	4.1
11	3.4	1.7	2.9	5.6	4.5	8.4	5.0	5.2	27	2.2	2.2	2.9	9.0	8.5	5.1	7.8	4.0
12	3.4	1.7	2.9	5.8	4.6	6.0	5.0	5.2	28	2.3	2.2	2.9	7.3	6.7	5.1	7.9	3.2
13	3.4	1.7	2.9	5.8	4.6	5.9	5.3	5.1	29	2.2	2.2	3.3		5.4	5.1	7.5	3.3
14	4.2	1.7	2.9	5.6	4.6	5.9	5.7	4.8	30	1.9	2.2	3.4		6.2	5.1	7.2	3.3
15	4.3	1.7	2.9	5.6	4.6	5.9	6.1	4.9	31		2.2	3.3		7.5		7.2	
16	3.6	1.8	2.9	5.2	4.7	6.0	6.1	5.3									

Crest Stages:	Date	11-14-57	2-20-58	2-26-58	3-23-58	4- 7-58	5-26-58
	Time	8:00 PM	10:00 AM	7:30 PM	11:00 PM	4:00 PM	7:00 AM
	Stage	5.1	9.1	9.5	9.0	12.2	8.5

NR – No Record

TABLE 282

DAILY MEAN GAGE HEIGHT
AMERICAN RIVER AT SACRAMENTO

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr	May	June
1	18.7	17.8	17.9	23.7	29.1	29.8	22.3	24.6	17	18.9	17.6	18.5	26.9	21.3	26.0	23.7	21.9
2	18.8	17.7	17.9	23.7	28.4	30.9	22.2	24.5	18	18.9	17.9	18.5	27.3	21.1	25.9	23.7	22.4
3	18.8	17.7	17.9	24.4	27.6	32.0	22.0	23.7	19	18.9	17.9	18.5	29.5	20.9	25.0	23.9	22.8
4	18.8	17.7	17.9	25.1	25.8	32.5	22.0	23.0	20	18.9	17.9	18.5	30.6	20.8	24.6	24.1	22.7
5	18.8	17.7	17.9	25.0	25.2	32.9	21.9	22.0	21	19.0	17.9	18.5	30.4	21.2	24.5	24.2	22.3
6	18.8	17.6	17.9	25.1	24.8	33.1	21.9	21.8	22	18.9	17.9	18.5	28.6	22.6	24.5	24.9	22.2
7	18.8	17.7	17.9	25.7	24.4	33.9	22.0	21.7	23	18.3	17.9	18.5	27.5	24.9	24.4	25.2	21.6
8	18.8	17.7	17.9	26.2	23.9	32.3	22.0	21.7	24	18.3	17.9	18.5	27.2	29.0	24.5	26.1	21.4
9	18,8	17.6	17.9	26.7	23.4	32.4	22.0	21.7	25	18.2	17.9	18.5	29.4	29.6	24.4	27.2	20.9
10	18.8	17.5	18.5	26.7	22.9	32.3	22.0	21.7	26	17.9	17.9	18.6	31.2	29.3	24.2	27.4	20.5
11	18.8	17.5	18.5	26.7	22.3	30.4	22.0	21.7	27	17.8	17.9	19.4	31.6	28.9	23.8	26.7	20.4
12	18.8	17.5	18.5	27.0	21.6	27.5	22.2	21.7	28	17.8	17.9	20.9	30.1	27.4	23.5	26.5	19.7
13	18.8	17.5	18.5	27.4	21.2	26.6	22.7	21.7	29	17.8	17.9	21.8		25.5	23.1	25.9	19.6
14	19.2	17.5	18.5	27.3	21.0	26.3	23.3	21.4	30	17.8	17.9	22.8		25.4	22.6	25.1	19.6
15	19.9	17.5	18.5	27.1	21.0	26.1	23.7	21.4	31		17.9	23.6		27.2		24.8	
16	18.9	17.5	18.5	26.8	21.3	26.0	23.7	21.9									

Crest Stages:							
Date	11-15-57	2-13-58	2-20-58	2-27-58	3-25-58	4- 7-58	5-26-58
Time	2:00 AM	4:40 PM	11:45 AM	3:30 AM	11:00 AM	6:00 PM	11:00 AM
Stage	20.3	27.5	30.8	31.8	29.6	34.1	27.4

NR — No Record

TABLE 283

DAILY MEAN GAGE HEIGHT
AMERICAN RIVER AT ELVAS

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	11.7	10.4	13.7	23.6	28.6	28.8	20.5	21.6	17	13.6	11.3	15.4	26.7	19.6	25.3	21.8	17.3
2	11.8	10.4	13.6	23.6	28.0	30.0	20.0	21.2	18	13.0	13.9	15.0	27.1	18.9	25.2	22.0	17.8
3	11.8	NR	13.6	24.4	27.2	31.2	19.6	20.2	19	12.4	15.4	14.5	28.9	18.2	24.5	22.3	18.1
4	11.8	10.5E	14.1	25.0	25.6	31.4	19.5	19.6	20	12.2	15.7	13.9	29.9	17.6	24.0	22.6	17.9
5	11.8	10.4	14.1	24.9	24.9	31.6	19.4	18.6	21	12.1	15.2	13.4	29.9	18.1	23.9	22.8	17.3
6	11.7	NR	13.5	25.0	24.6	31.8	19.5	17.9	22	12.1	14.5	12.9	28.5	21.4	23.9	23.4	16.8
7	11.8	NR	12.8	25.6	24.0	32.3	19.8	17.4	23	11.4	15.0	12.6	27.4	24.4	23.9	23.6	16.0
8	11.8	NR	12.3	26.1	23.6	31.2	19.9	17.0	24	11.3	15.4	12.7	27.0	28.0	23.9	24.4	15.6
9	11.8	NR	12.1	26.5	23.0	31.1	19.8	16.7	25	11.2	14.8	13.1	28.8	28.7	23.8	25.5	14.9
10	11.8	NR	12.5	26.5	22.4	31.0	19.9	16.6	26	10.8	13.9	15.6	30.6	28.4	23.5	25.7	14.4
11	11.7	NR	12.9	26.4	21.5	29.5	20.1	16.6	27	10.8	13.0	18.8	30.9	28.0	23.1	25.1	14.3
12	11.7	NR	14.2	26.8	20.5	27.0	20.4	16.6	28	10.8	12.3	20.7	29.7	26.7	22.6	24.7	13.2
13	11.8	NR	15.0	27.2	19.6	26.0	21.1	16.6	29	10.8	12.2	21.6		25.1	22.0	24.0	13.2
14	12.4	NR	15.3	27.1	18.9	25.8	21.7	16.8	30	10.5	12.6	22.6		24.9	21.2	22.9	13.2
15	13.5	NR	15.6	26.9	19.0	25.5	22.0	16.9	31		13.6	23.5		26.5		22.2	
16	13.6	NR	15.6	26.7	19.7	25.4	21.9	17.4									

Crest Stages.								
Date	2-20-58	2-21-58	2-27-58	3-25-58	4- 3-58	4- 5-58	4- 7-58	4- 9-58
Time	12:15 PM	2:00 PM	3:00 AM	9:00 AM	9:00 PM	1:00 AM	7:00 PM	3:00 PM
Stage	30.1	30.1	31.1	28.7	31.6	31.8	32.5	30.7

NR — No Record

TABLE 284

DAILY MEAN GAGE HEIGHT
AMERICAN RIVER AT GARDEN HIGHWAY

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan	Feb	Mar	Apr	May	June
1	NR	NR	13.8	23.8	28.5	28.3	20.3	20.5	17	NR	NR	15.6	26.9	19.7	25.2	21.4	NR
2	NR	NR	13.9	23.9	27.8	29.3	19.8	NR	18	NR	NR	15.1	27.2	19.0	25.1	21.7	NR
3	NR	NR	14.1	24.8	27.2	30.7	19.3	NR	19	NR	NR	14.5	28.8	18.1	24.5	22.0	NR
4	NR	NR	14.4	25.3	25.7	30.8	19.1	NR	20	NR	NR	13.9	29.8	17.3	24.1	22.3	NR
5	NR	NR	14.3	25.1	25.0	30.8	19.0	NR	21	NR	NR	13.3	29.8	17.9	24.0	22.6	NR
6	NR	NR	13.6	25.3	24.7	30.8	19.2	NR	22	NR	NR	12.7	28.6	21.6	23.9	23.0	NR
7	NR	NR	12.8	25.9	24.2	31.1	19.5	NR	23	NR	NR	12.3	27.5	24.5	23.9	23.2	NR
8	NR	NR	12.3	26.4	23.7	30.4	19.7	NR	24	NR	NR	12.4	27.1	27.6	23.9	23.8	NR
9	NR	NR	12.0	26.6	23.1	30.3	19.6	NR	25	NR	NR	13.4	28.8	28.3	23.8	24.8	NR
10	NR	NR	12.3	26.6	22.5	30.1	19.6	NR	26	NR	NR	16.7	30.4	28.0	23.4	24.9	NR
11	NR	NR	13.0	26.6	21.6	29.1	19.9	NR	27	NR	NR	19.6	30.6	27.6	23.0	24.5	NR
12	NR	NR	14.4	26.9	20.5	26.9	20.2	NR	28	NR	NR	21.1	29.6	26.6	22.5	24.0	NR
13	NR	NR	15.2	27.4	19.5	26.0	20.9	NR	29	NR	NR	21.8		25.1	21.8	23.4	NR
14	NR	NR	15.5	27.2E	18.8	25.7	21.4	NR	30	NR	NR	22.9		24.9	21.0	22.2	NR
15	NR	NR	15.7	27.0	18.9	25.4	21.6	NR	31		13.8	23.8		26.4		21.4	
16	NR	NR	15.8	26.8	19.7	25.3	21.5	NR									

Crest Stages:								
	Date	1-16-58	2-13-58	2-21-58	2-27-58	3-25-58	4- 3-58	4- 7-58	5-26-58
	Time	5:00 PM	12:00 Noon	2:00 PM	4:00 AM	9:00 AM	9:00 PM	7:00 PM	12:00 Noon
	Stage	15.9	27.4	29.9	30.8	28.4	31.0	31.2	25.0

NR – No Record E - Estimated

TABLE 285

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT SACRAMENTO

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	a 5.8	a 5.5	10.3	20.1	25.0	24.7	16.9	17.1	17	a 9.9	7.6	11.9	23.3	16.0	21.7	17.9	12.8
2	a 5.8	a 5.4	10.2	20.1	24.3	26.0	16.3	16.5	18	a 9.0	10.4	11.5	23.7	15.5	21.6	18.1	12.9
3	a 5.7	a 5.3	10.1	20.9	23.6	27.1	15.9	15.7	19	a 7.9	12.0	11.0	25.2	14.6	21.1	18.4	12.9
4	a 5.7	a 5.4	10.7	21.5	22.2	27.2	15.7	15.3	20	a 7.3	12.4	10.4	26.2	13.9	20.6	18.8	12.6
5	a 5.7	a 5.6	10.7	21.4	21.5	27.3	15.6	14.6	21	a 6.9	11.8	9.8	26.2	14.2	20.5	18.9	12.0
6	a 5.6	a -.	10.1	21.6	21.1	27.2	15.8	13.8	22	a 6.8	11.2	9.2	25.0	17.5	20.4	19.4	11.2
7	a 5.4	a 5.3	9.3	22.2	20.6	27.6	16.1	13.2	23	a 6.7	11.6	8.9	24.0	20.8	20.4	19.6	a 10.4
8	a 5.4	a 5.1	8.8	22.6	20.1	26.9	16.2	12.6	24	a 6.7	12.0	9.0	23.6	23.9	20.4	20.2	a 9.6
9	a 5.5	a 5.1	8.5	22.9	19.6	26.7	16.1	12.1	25	a 6.6	11.5	9.5	25.2	24.7	20.3	21.2	a 8.8
10	a 5.6	a 5.1	8.8	23.0	18.9	26.6	16.2	11.9	26	a 6.4	10.6	12.0	26.8	24.4	19.9	21.4	a 8.2
11	a 5.4	a 4.9	9.2	22.9	18.1	25.6	16.4	11.9	27	a 6.3	9.6	15.2	27.1	24.1	19.5	20.9	a 7.6
12	a 5.2	a 5.0	10.6	23.3	17.0	23.5	16.7	11.9	28	a 6.2	8.9	17.1	26.1	23.0	19.0	20.5	a 6.9
13	a 5.5	a 5.1	11.5	23.8	16.0	22.5	17.3	11.8	29	a 5.9	8.7	18.0		21.6	18.4	19.8	a 6.5
14	a 5.9	a 5.0	11.8	23.7	15.3	22.2	17.9	12.4	30	a 5.6	9.2	19.0		21.3	17.6	18.8	a 6.2
15	a 8.0	a 5.	12.0	23.5	15.3	22.0	18.1	12.7	31		10.2	20.0		22.8		18.0	
16	a 9.8	a 5.7	12.1	23.3	16.0	21.8	18.0	12.9									

Crest Stages:								
	Date	12-20-57	1-16-58	2-13-58	2-21-58	2-27-58	3-25-58	4- 7-58	5-26-58
	Time	4:00 AM	5:00 PM	3:30 PM	1:00 PM	4:00 AM	8:30 AM	5:00 PM	12:00 Noon
	Stage	12.5	12.2	23.9	26.3	27.2	24.8	27.6	21.5

NR – No Record
a Mean tide gage height (half tide)

TABLE 286

DAILY MEAN GAGE HEIGHT
CACHE CREEK AT YOLO

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	NP	NP	3.4	9.8	14.2	17.5	4.4	NP	17	NP	3.8	4.1	14.5	9.7	10.3	NP	NP
2	NP	NP	3.6	9.9	13.5	20.4	4.0	NP	18	NP	6.3	3.9	14.6	9.5	10.0	NP	NP
3	NP	NP	4.4	15.9	13.0	22.7	3.8	NP	19	NP	6.0	3.7	25.2	9.3	9.8	NP	NP
4	NP	NP	4.0	16.4	12.5	16.8	3.6	NP	20	NP	4.8	3.6	20.0	10.1	9.7	NP	NP
5	NP	NP	3.7	17.1	12.1	14.9	3.4	NP	21	NP	4.4	3.5	15.8	18.7	9.5	NP	NP
6	NP	NP	3.5	13.9	11.8	15.8	3.3	NP	22	NP	5.0	3.4	14.2	18.6	9.4	NP	NP
7	NP	NP	3.4	13.6	11.5	14.8	3.2	NP	23	NP	4.8	3.3	13.4	14.2	9.2	NP	NP
8	NP	NP	3.3	13.8	11.3	14.7	2.7	NP	24	NP	4.8	3.4	16.2	13.4	9.0	NP	NP
9	NP	NP	3.2	14.0	11.0	13.1	2.6	NP	25	NP	4.0	6.2	29.9	12.4	8.8	NP	NP
10	NP	NP	3.5	16.6	10.8	12.6	2.4	NP	26	NP	3.7	12.8	20.0	11.8	8.7	NP	NP
11	NP	NP	5.1	13.4	10.6	12.2	2.3	NP	27	NP	3.6	12.8	16.6	11.5	8.6	NP	NP
12	NP	NP	4.8	18.2	10.4	11.8	2.2	NP	28	NP	3.4	10.0	15.1	11.3	8.5	NP	NP
13	NP	NP	5.1	17.1	10.2	11.4	2.4	NP	29	NP	3.5	9.6		10.8	8.4	NP	NP
14	NP	NP	5.1	13.9	10.0	11.1	2.3	NP	30	NP	3.7	13.2		17.1	5.5	NP	NP
15	NP	NP	4.6	14.0	10.2	10.8	2.1	NP	31		3.5	10.6		13.9		NP	
16	NP	NP	4.3	14.9	9.9	10.5	1.7	NP									

Crest Stages:								
	Date	2- 3-58	2-10-58	2-12-58	2-19-58	2-25-58	3-21-58	3-30-58	4- 2-58
	Time	8:30 AM	9:00 AM	7:00 PM	12:00 Noon	4:30 AM	10:30 PM	10:00 AM	12:00 Mid.
	Stage	19.3	18.6	23.5	27.5	33.1	22.6	20.6	28.3

NR – No Record NP – No Flow

TABLE 287

DAILY MEAN GAGE HEIGHT
YOLO BYPASS NEAR WOODLAND

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan	Feb	Mar	Apr	May	June
1	10.4	10.4	12.4	25.2	28.2	25.8	17.6	16.6	17	10.5	NR	NR	27.7	20.8	24.6	14.7	14.9
2	10.3	10.4	12.9	25.2	27.6	26.6	NR	16.4	18	10.4	NR	NR	27.6	20.5	24.4	14.8	14.1
3	10.3	10.4	13.2	25.7	27.0	27.8	NR	16.2	19	10.4	NR	NR	27.9	20.3	23.9	15.0	13.3
4	10.3	10.4	14.2	26.2	26.6	27.9	NR	16.0	20	10.5	14.4	NR	28.4	20.3	23.1	15.3	12.6
5	10.3	10.4	14.4	26.4	26.1	NR	NR	15.9	21	10.7	13.9	NR	29.0	21.5	22.4	15.4	12.0
6	10.3	10.4	14.0	26.6	25.7	NR	NR	15.8	22	10.7	13.7	NR	29.0	23.7	22.0	NR	11.5
7	10.3	10.4	13.5	26.9	25.1	NR	NR	15.8	23	10.8	14.3	NR	28.5	24.9	21.9	NR	10.9
8	10.3	10.4	13.2	27.0	24.6	NR	NR	15.2	24	10.8	14.4	13.1	28.0	26.0	22.0	NR	11.0
9	10.3	10.3	12.9	27.1	23.9	NR	12.2	14.1	25	10.8	13.9	13.4	28.9	26.3	21.6	NR	11.1
10	10.3	10.3	12.8	27.1	22.9	26.8	NR	13.7	26	10.8	13.5	16.1	29.8	26.0	21.0	16.5	11.0
11	10.3	10.3	13.1	27.0	22.2	26.6	NR	13.9	27	10.8	13.0	22.0	29.8	25.6	20.4	16.8	11.1
12	10.3	10.3	14.9	27.0	21.8	26.1	NR	14.3	28	10.7	12.7	21.8	29.1	25.3	20.0	16.9	11.0
13	10.3	10.3	15.8	27.6	21.6	25.8	12.8	14.1	29	10.6	12.5	22.1		24.8	19.8	16.8	11.0
14	10.3	NR	16.2	27.6	21.4	25.4	14.4	14.5	30	10.5	12.4	23.9		24.8	19.5	16.8	11.1
15	10.3	NR	16.4	27.6	21.2	25.1	NR	15.5	31		12.4	25.2		25.4		16.7	
16	10.4	NR	16.1	27.6	21.0	24.9	14.8	15.4									

Crest Stages:					
	Date	12-23-57	1- 4-58	1-15-58	2-27-58
	Time	9:00 PM	10:00 PM	11:00 AM	1:00 AM
	Stage	14.6	14.5	16.4	30.0

NR – No Record

TABLE 288

DAILY MEAN GAGE HEIGHT
YOLO BYPASS ABOVE SACRAMENTO BYPASS

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr.	May	June
1	NR	NR	11.8	18.4	21.7	18.6	16.1	16.0	17	NR	NR	15.3	20.9	17.1	17.7	14.4	14.5
2	NR	NR	12.5	18.3	20.9	19.5	15.4	15.9	18	NR	NR	14.8	21.0	17.0	17.6	14.4	13.6
3	NR	NR	12.8	18.5	20.2	20.8	14.8	15.8	19	NR	NR	14.4	21.3	17.0	17.5	14.7	12.6
4	NR	NR	14.0	19.1	19.6	21.2	14.3	15.7	20	NR	14.1	13.9	21.8	16.9	17.4	15.0	11.7
5	NR	NR	14.2	19.3	19.1	20.8	13.7	15.7	21	NR	13.6	13.6	22.5	17.2	17.3	15.1	10.8
6	NR	NR	13.7	19.6	18.6	20.5	13.1	15.6	22	NR	13.3	13.2	22.7	17.5	17.2	15.2	10.2
7	NR	NR	13.2	20.0	18.2	20.4	12.5	15.5	23	NR	14.1	12.8	22.1	17.8	17.2	15.5	10.3
8	NR	NR	12.7	20.1	17.9	20.2	11.9	14.9	24	NR	14.2	12.5	21.8	18.6	17.2	15.8	10.8
9	NR	NR	12.4	20.2	17.7	19.9	11.4	14.0	25	NR	13.7	13.0	22.1	19.0	17.2	16.1	10.9
10	NR	NR	12.3	20.2	17.5	19.7	11.1	13.2	26	NR	13.1	16.3	23.3	18.8	17.1	16.2	10.8
11	NR	NR	12.8	20.2	17.4	19.4	11.2	13.3	27	NR	12.6	17.7	23.6	18.5	16.9	16.3	10.9
12	NR	NR	14.9	20.2	17.3	18.9	11.4	13.9	28	NR	12.2	17.7	22.7	18.2	16.8	16.3	10.8
13	NR	NR	15.5	20.7	17.3	18.5	12.6	13.7	29	NR	12.0	17.7		17.9	16.8	16.3	10.8
14	NR	NR	16.0	20.9	17.2	18.2	14.1	14.2	30	NR	11.8	17.9		17.8	16.7	16.2	10.9
15	NR	NR	16.2	20.9	17.2	17.9	14.7	15.2	31		11.9	18.3		18.1		16.2	
16	NR	NR	15.8	20.8	17.2	17.8	14.6	15.2									

Crest Stages:								
	Date	2- 1-58	2-10-58	2-14-58	2-22-58	2-24-58	2-27-58	3-25-58	4- 3-58
	Time	1:00 AM	11:00 PM	3:00 PM	5:00 AM	5:45 PM	5:00 AM	2:00 PM	11:00 PM
	Stage	18.4	20.3	21.0	22.8	22.2	23.7	19.0	21.3

NR – No Record

TABLE 289

DAILY MEAN GAGE HEIGHT
PUTAH CREEK NEAR WINTERS

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	4.9	4.6	4.7	4.5	4.4	5.8	4.2	4.2	17	4.1	4.7	4.7	4.5	3.9	4.4	4.2	4.3
2	4.8	4.6	4.7	4.8	4.3	7.1	4.1	4.2	18	4.2	4.8	4.7	6.4	4.0	4.4	4.2	4.3
3	4.8	4.6	4.7	5.1	4.2	6.2	4.1	4.2	19	4.5	4.7	4.7	6.8	4.3	4.4	4.2	4.3
4	4.8	4.7	4.7	5.4	4.3	5.6	4.1	4.2	20	4.8	4.7	4.7	5.3	4.6	4.4	4.2	4.4
5	4.7	4.7	4.7	5.1	4.1	5.4	4.1	4.2	21	4.8	4.7	4.7	4.8	5.4	4.3	4.2	4.4
6	4.6	4.6	4.7	4.2	4.1	5.4	4.1	4.2	22	4.8	4.7	4.6	4.5	5.0	4.3	4.2	4.4
7	4.6	4.6	4.7	4.9	4.0	5.2	4.1	4.3	23	4.8	4.7	4.7	4.4	4.8	4.3	4.3	4.4
8	4.6	4.6	4.7	4.3	4.0	5.0	4.1	4.3	24	4.8	4.7	4.7	6.1	4.7	4.3	4.3	4.4
9	4.6	4.6	4.7	4.1	3.9	4.9	4.1	4.3	25	4.7	4.7	4.7	5.7	4.7	4.2	4.3	4.4
10	4.6	4.6	4.7	4.2	4.1	4.8	4.1	4.4	26	4.6	4.7	5.3	5.0	4.6	4.2	4.3	4.4
11	4.6	4.7	4.7	4.3	3.9	4.7	4.1	4.4	27	4.6	4.7	4.6	4.8	5.0	4.2	4.3	4.4
12	4.6	4.7	4.7	5.1	3.8	4.6	4.1	4.4	28	4.6	4.7	4.5	4.6	4.9	4.2	4.3	4.4
13	4.6	4.6	4.7	4.7	3.9	4.6	4.2	4.3	29	4.6	4.7	4.8		4.9	4.2	4.3	4.4
14	4.6	4.6	4.7	4.6	3.9	4.5	4.2	4.3	30	4.6	4.7	4.7		5.2	4.2	4.3	4.4
15	4.4	4.7	4.7	4.6	3.9	4.5	4.2	4.3	31		4.7	4.5		4.9		4.3	
16	4.1	4.7	4.7	4.6	3.9	4.4	4.2	4.3									

Crest Stages:								
	Date	1-26-58	2- 5-58	2-12-58	2-18-58	2-24-58	3-21-58	4- 2-58
	Time	6:00 AM	3:00 AM	6:30 AM	9:30 PM	6:00 PM	1:30 PM	1:00 PM
	Stage	6.4	5.8	5.8	9.1	8.4	6.1	9.1

NR – No Record

TABLE 290

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
McLEOD LAKE AT STOCKTON

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb.	Mar.	Apr	May	June		Nov	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1	6.9 3.4	6.9 3.4	7.6 3.6	8.2 4.0	8.1 4.9	9.1 6.0	8.2 4.3	8.9 4.3	17	7.2 3.5	8.0 3.8	7.6 3.2	8.5 4.7	7.7 4.2	8.1 5.0	8.4 4.4	8.7 4.1
2	7.1 3.8	7.0 3.2	7.9 3.5	8.8 4.0	8.3 4.7	10.0 5.8	8.6 4.4	8.9 4.2	18	7.1 3.2	8.3 3.8	7.8 3.2	8.4 5.0	7.4 4.2	7.9 4.5	8.4 4.2	8.4 3.9
3	7.0 3.5	6.8 3.0	7.7 3.5	9.2 4.8	8.5 4.7	10.2 6.9	8.4 3.9	8.7 4.1	19	7.3 3.2	8.0 3.8	7.7 3.4	8.8 5.1	7.2 4.0	7.9 4.2	8.3 4.1	8.3 3.8
4	7.1 3.5	7.5 3.4	7.6 3.3	9.5 5.1	8.6 4.7	10.4 7.5	8.4 3.8	8.5 4.0	20	7.5 3.2	8.0 3.5	7.7 3.4	8.5 5.8	7.6 4.0	7.7 4.0	8.4 4.3	8.1 3.7
5	7.2 3.3	7.8 3.4	7.6 3.1	8.9 5.4	8.6 4.7	10.3 7.2	8.5 4.0	8.3 4.2	21	7.4 3.2	8.3 3.5	7.3 3.4	8.2 5.7	8.3 5.0	7.8 4.0	8.5 4.3	7.9 4.0
6	7.2 3.3	7.3 3.4	7.4 3.0	8.6 5.0	8.5 5.1	10.4 7.0	8.4 3.8	7.8 4.0	22	7.4 3.0	7.6 3.7	7.0 3.3	8.1 5.4	8.4 5.0	7.9 4.0	8.2 4.0	7.9 4.0
7	7.2 3.3	7.1 2.8	7.2 3.0	8.7 5.0	8.3 4.6	10.2 7.2	8.2 4.0	7.6 3.9	23	7.5 2.9	7.4 3.2	6.8 3.2	8.0 5.4	8.4 5.2	7.4 3.7	8.0 4.1	8.0 4.0
8	7.3 3.1	6.8 2.6	7.2 3.0	8.8 5.2	8.2 4.4	9.6 6.6	7.9 3.9	7.4 3.8	24	7.4 3.1	7.0 3.2	7.2 3.4	8.7 5.4	8.4 5.3	7.2 3.6	8.0 4.2	7.9 4.0
9	7.5 3.1	7.0 2.4	6.9 3.1	8.6 5.1	7.9 3.9	8.8 6.0	7.9 4.3	7.4 4.0	25	7.2 3.0	6.6 3.0	7.2 3.9	8.6 6.2	8.2 5.1	7.1 3.6	8.2 4.5	7.9 4.2
10	7.5 3.1	7.0 2.6	7.2 3.5	8.5 4.9	7.8 3.9	8.2 5.5	7.9 3.7	7.5 4.2	26	7.0 3.1	6.7 3.0	8.0 4.4	8.0 5.6	8.0 5.0	6.8 3.5	8.2 4.6	8.0 4.0
11	7.3 3.2	6.8 2.8	7.0 3.3	8.3 4.6	8.0 4.0	7.9 5.4	7.5 4.2	7.6 4.1	27	6.7 3.1	6.6 3.1	7.5 4.2	8.1 5.7	8.1 5.2	6.8 3.5	8.4 4.6	8.2 3.9
12	7.1 3.0	6.6 2.8	7.2 3.3	8.9 5.2	7.7 3.9	8.1 5.1	7.6 3.9	7.7 4.0	28	6.6 3.0	6.6 3.0	7.4 4.1	8.4 5.4	7.9 4.9	7.2 3.9	8.4 4.7	8.1 3.4
13	7.1 3.0	6.8 3.0	7.4 3.4	8.4 4.7	7.3 3.5	8.1 5.2	7.5 4.2	7.6 3.7	29	6.4 3.0	6.8 3.3	7.8 4.4		7.7 4.8	7.5 4.0	8.5 4.6	8.4 3.6
14	7.1 3.6	6.7 3.0	7.3 3.1	8.4 4.7	7.1 3.7	8.2 4.9	7.6 4.1	7.9 3.6	30	6.6 3.1	6.9 3.4	8.0 3.9		8.2 4.9	7.9 4.2	8.8 4.5	8.3 3.5
15	6.9 3.3	7.2 3.3	7.3 3.0	8.3 4.7	7.2 3.6	7.9 5.0	7.8 4.0	8.0 3.6	31		7.1 3.3	8.0 3.8		8.2 4.7		9.1 4.6	
16	7.1 3.4	8.2 4.1	7.5 3.2	8.3 4.6	7.7 4.2	8.1 5.1	8.0 4.2	8.4 4.0									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 291

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	3.4 1.5	3.5 1.7	4.2 1.6	5.0 2.9	7.0 6.4	12.0	13.0	14.1	17	3.7 1.9	4.4 2.3	4.2 2.0	5.2 3.3	7.4	15.7	13.8	8.5
2	3.6 1.7	3.5 1.8	4.3 2.0	5.6 3.3	7.1 6.2	13.2	12.6	14.2	18	3.6 1.8	4.7 2.2	4.4 2.1	5.2 3.4	9.2	15.3	13.8	8.0
3	3.5 1.6	3.4 1.7	4.1 1.8	5.9 3.8	7.3 6.4	15.2	12.1	13.8	19	3.8 1.7	4.4 2.3	4.3 2.3	6.0 3.8	9.5	14.9	14.1	8.2
4	3.5 1.6	4.1 1.6	3.9 1.6	6.1 3.8	7.1 6.5	16.7	12.0	13.5	20	4.0 1.8	4.5 2.2	4.2 2.3	7.4 5.2	9.7	14.4	14.7	9.1
5	3.6 1.6	4.3 2.1	3.9 1.5	6.1 4.4	6.9 6.1	18.4	12.2	13.8	21	4.1 2.0	4.7 2.2	3.9 2.2	7.8 7.2	10.3	14.4	15.2	10.7
6	3.7 1.5	3.9 2.2	3.8 1.4	6.3 5.0	6.8 6.0	17.8	12.7	13.8	22	3.9 1.8	4.2 2.4	3.6 2.0	7.1 6.4	10.9	14.5	15.5	12.0
7	3.7 1.6	3.7 1.9	3.6 1.3	6.2 5.2	6.6 5.8	18.7	13.3	12.5	23	4.0 1.8	4.0 2.1	3.4 1.8	6.7 5.9	11.8	14.6	15.7	12.3
8	3.8 1.4	3.5 1.8	3.6 1.4	6.1 4.8	6.5 5.7	19.4	13.6	11.2	24	3.9 1.9	3.6 1.8	3.7 1.8	6.4 5.6	12.9	14.5	16.1	12.2
9	4.0 1.6	3.6 1.6	3.3 1.4	6.0 4.7	6.3 5.5	19.6	13.3	11.1	25	3.8 1.8	3.3 1.8	3.8 2.2	6.6 5.7	13.5	14.2	16.4	12.0
10	4.0 1.8	3.7 1.6	3.6 1.6	5.8 4.4	6.3 5.5	19.4	13.0	11.2	26	3.6 1.7	3.4 1.7	4.7 2.4	6.9 6.0	14.0	13.9	16.6	11.9
11	3.8 1.7	3.6 2.0	3.5 1.7	5.5 4.1	6.5 5.6	18.8	13.2	10.9	27	3.3 1.8	3.2 1.5	4.3 2.6	7.3 6.6	14.3	13.6	16.2	11.6
12	3.6 1.6	3.3 1.9	3.7 1.6	5.9 4.1	6.2 5.2	18.1	13.4	10.8	28	3.2 1.7	3.2 1.4	4.6 3.1	7.3 6.6	14.2	13.3	15.6	10.4
13	3.7 1.6	3.4 1.8	3.9 1.8	5.6 4.2	5.6 5.1	17.4	13.8	10.4	29	3.2 1.6	3.4 1.6	4.8 3.4		13.7	13.1	15.4	9.6
14	3.7 1.9	3.3 1.7	3.8 1.8	5.7 4.2	5.3 4.6	16.9	14.0	9.7	30	3.2 1.4	3.5 1.6	4.9 3.2		12.7	13.0	14.9	9.0
15	3.6 1.9	3.8 1.9	3.8 1.7	5.3 4.1	5.4 4.5	16.4	14.0	9.2	31		3.6 1.6	4.8 2.9		11.9		14.4	
16	3.7 1.8	4.7 2.3	4.1 1.7	5.0 3.6	6.2 4.7	16.0	14.0	8.9									

Crest Stages:					
	Date	3-27-58	4- 9-58	5-27-58	6-24-58
	Time	3:00 PM	5:00 PM	5:30 AM	3:00 AM
	Stage	14.4	19.6	16.7	12.4

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 292

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SAN JOAQUIN RIVER AT BRANDT BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb.	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1	7.1 4.3	7.2 4.3	7.9 4.7	8.6 5.2	9.0 7.1	12.0 10.3	11.8 11.0	12.8 11.8	17	7.3 4.4	8.2 4.9	7.8 4.4	8.8 5.9	9.3 6.7	14.7 13.1	12.5 11.6	9.8E 7.8
2	7.3 4.6	7.2 4.2	8.1 4.7	9.2 5.5	9.1 7.1	13.1 11.4	11.8 10.6	12.8 11.9	18	7.3 4.3	8.5 4.9	8.0 4.5	8.8 6.1	9.8 8.4	13.4 12.7	12.3 11.5	9.6 7.4
3	7.2 4.4	7.1 4.2	7.8 4.5	9.6 6.2	9.3 7.1	14.5 12.9	11.5 10.3	12.7 11.4	19	7.5 4.3	8.2 4.9	8.0 4.7	9.3 6.3	9.8 8.8	13.0 12.3	12.5 11.8	9.5 7.5
4	7.3 4.4	7.8 4.1	7.7 4.3	9.8 6.6	9.3 7.2	15.5 14.3	11.3 10.2	12.2 11.3	20	7.7 4.3	8.2 4.7	7.9 4.7	9.2 7.4	10.0 8.7	12.6 11.9	12.9 12.2	9.6 8.1
5	7.3 4.4	8.1 4.6	7.7 4.2	9.4 6.9	9.2 7.1	16.3 15.5	11.4E 10.4	12.3 11.6	21	7.7 4.4	8.4 4.7	7.6 4.7	9.4 8.2	10.5 9.3	12.5 11.9	13.3 12.6	10.7 9.2
6	7.4 4.3	7.6 4.6	7.5 4.1	9.2 6.9	9.2 7.2	15.9 15.3	11.5E 10.7	12.2 11.4	22	7.6 4.2	7.9 4.9	7.2 4.5	9.2 7.9	10.9 9.8	12.7 12.0	13.4 12.8	11.0 10.2
7	7.4 4.3	7.3 4.1	7.3 4.0	9.2 7.0	9.0 6.9	16.4 15.7	11.8E 10.9E	12.0 10.2	23	7.7 4.1	7.6 4.5	7.1 4.3	8.8 7.4	11.6 10.4	12.6 11.9	13.5 13.0	11.3 10.5
8	7.5 4.2	7.1 3.9	7.3 4.1	9.3 6.9	8.9 6.7	16.6 16.3	12.1E 11.3E	10.7 9.5	24	7.6 4.3	7.2 4.3	7.4 4.4	9.3 7.1	12.1 11.4	12.4 11.8	13.7 13.2	11.4 10.3
9	7.7 4.2	7.3 3.8	7.1 4.2	9.1 6.6	8.6 6.3	16.6 16.2	11.8E 11.0E	10.4 9.5	25	7.4 4.2	6.9 4.1	7.5 5.0	9.2 7.6	12.5 12.0	12.3 11.6	13.9 13.5	11.2 10.0
10	7.8 4.3	7.3 3.9	7.3 4.4	9.0 6.4	8.5 6.4	16.4 15.9	11.6E 10.8	10.5 9.5	26	7.2 4.2	7.0 4.1	8.3 5.3	8.9 7.7	12.6 12.2	12.0 11.4	14.1 13.6	11.1 10.1
11	7.5 4.3	7.2 4.1	7.2 4.3	8.8 6.1	8.7 6.5	16.0 15.4	11.6 11.1	10.5 9.4	27	7.0 4.2	6.8 4.0	7.9 5.5	9.2 7.8	12.9 12.2	11.8 11.1	14.2 13.0	11.2 9.7
12	7.4 4.1	6.9 4.0	7.4 4.3	9.4 6.4	8.4 6.2	15.6 14.8	11.8 11.2	10.4 9.3	28	6.8 4.0	6.8 3.9	7.9 5.6	9.3 7.5	12.7 12.0	11.7 11.0	13.6 12.9	10.6 8.9
13	7.4 4.0	7.1 4.1	7.6 4.5	8.9 6.4	8.0 5.7	15.0 14.4	11.9 11.5	10.2 9.0	29	6.7 4.0	7.1 4.2	8.2 5.7		12.3 11.5	11.7 10.9	13.6 12.7	10.2 8.5
14	7.3 4.6	7.0 4.1	7.5 4.3	8.9 6.4	7.7 5.7	14.7 13.9	12.2E 11.7	10.1 8.5	30	6.8 4.0	7.2 4.3	8.5 5.3		12.0 10.8	11.9 10.9	13.3 12.4	10.0 7.9
15	7.2 5.0	7.5 4.3	7.5 4.2	8.3 6.4	7.8 5.7	14.3 13.8	12.2E 11.7	9.9 8.1	31		7.3 4.2	8.4 5.3		11.4 10.3		13.1 12.0	
16	7.3 4.3	8.4 5.0	7.7 4.2	8.7 6.0	8.4 6.6	14.0 13.5	12.3E 11.7	9.6E 8.1E									

Crest Stages:	Date						
	Time						
	Stage						

NR – No Record E – Estimated

NOTE : Single daily values indicate daily mean stage only.

TABLE 293

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
STOCKTON SHIP CHANNEL AT BURNS CUTOFF

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1	6.3 2.9	6.4 2.9	7.0 3.0	7.5 3.5	7.5 4.3	8.5 5.5	7.6 3.8	8.3 3.7	17	6.5 2.9	7.4 3.3	6.9 2.6	7.9 4.1	7.1 3.6	7.4 4.4	7.8 3.8	8.0 3.5
2	6.5 3.3	6.4 2.7	7.2 2.9	8.2 3.5	7.6 4.1	9.4 5.3	8.0 3.8	8.3 3.6	18	6.5 2.7	7.7 3.2	7.1 2.6	7.8 4.4	6.7 3.6	7.3 3.9	7.8 3.6	7.8 3.4
3	6.4 3.0	6.3 2.5	7.1 2.7	8.6 4.2	7.9 4.1	NR 6.9	7.8 3.3	8.1 3.5	19	6.7 2.6	7.4 3.0	7.0 2.8	8.2 4.6	6.6 3.5	7.2 3.6	7.7 3.5	7.6 3.3
4	6.5 3.0	6.9 3.0	6.9 2.7	8.8 4.5	7.9 4.8	9.8 7.0	7.8 3.3	7.8 3.4	20	6.9 2.7	7.4 3.0	7.0 2.9	7.8 5.1	7.0 3.4	7.1 3.4	7.8 3.7	7.5 3.1
5	6.6 2.8	7.2 2.8	6.9 2.5	8.3 4.8	7.9 4.1	9.7 6.6	7.9 3.4	7.7 3.6	21	6.9 2.4	7.6 3.0	6.7 2.8	7.5 5.0	7.6 4.4	7.2 3.4	7.9 3.7	7.2 3.4
6	6.7 2.7	6.7 2.3	6.7 2.4	8.0 4.4	7.8 4.5	NR NR	7.8 3.3	7.1 3.4	22	6.8 2.4	7.0 3.2	6.3 2.7	7.4 4.8	7.7 4.4	7.3 3.4	7.5 3.4	7.2 3.4
7	6.6 2.7	6.5 2.1	6.6 3.4	8.0 4.4	7.6 4.0	NR NR	7.6 3.4	7.0 3.3	23	6.9 2.5	6.8 2.7	6.2 2.6	7.3 4.8	7.7 4.7	6.8 3.1	7.3 3.5	7.3 3.5
8	6.7 2.6	6.2 2.0	6.5 2.4	8.1 4.6	7.5 3.9	NR NR	7.2 3.4	6.8 3.2	24	6.8 2.5	6.3 2.6	6.4 2.8	8.0 4.8	7.7 4.7	6.6 3.0	7.3 3.6	7.3 3.4
9	6.9 2.6	6.4 2.2	6.3 2.5	7.9 4.5	7.2 3.3	NR NR	7.3 3.7	6.9 3.4	25	6.6 2.5	6.0 2.4	6.6 3.3	7.9 5.6	7.6 4.5	6.5 3.0	7.6 3.9	7.2 3.6
10	6.9 2.7	6.5 2.4	6.5 2.8	7.8 4.3	7.1 3.3	NR NR	7.3 3.1	6.9 3.6	26	6.4 2.6	6.1 2.4	7.3 3.8	7.3 5.0	7.4 4.4	6.2 2.9	7.7 3.9	7.4 3.4
11	6.7 2.7	6.3 2.3	6.3 2.7	7.6 4.1	7.3 3.4	NR NR	6.9 3.6	7.0 3.5	27	6.1 2.6	6.0 2.5	6.9 3.6	7.4 5.0	7.5 4.6	6.2 3.0	7.7 4.0	7.6 3.3
12	6.5 2.5	5.9 3.4	6.5 2.7	8.2 4.6	7.0 3.3	NR NR	7.0 3.3	7.1 3.5	28	6.0 2.5	6.0 2.4	6.8 3.5	7.7 4.7	7.3 4.3	6.6 3.3	7.7 4.1	7.4 2.8
13	6.5 2.4	6.1 2.4	6.7 2.8	7.7 4.1	6.6 2.9	NR NR	6.8 3.7	7.0 3.1	29	5.8 2.4	6.2 2.7	7.1 3.8		7.1 4.2	6.9 3.4	7.9 4.0	7.8 3.1
14	6.5 3.0	6.1 2.5	6.7 2.6	7.7 4.2	6.5 3.1	NR NR	7.0 3.5	7.3 3.1	30	6.0 2.6	6.3 2.8	7.4 3.3		7.6 4.3	7.3 3.7	8.2 4.0	7.7 2.9
15	6.3 2.7	6.6 2.8	6.6 2.4	7.7 4.0	6.6 3.0	7.3 4.4	7.1 3.4	7.4 3.0	31		6.4 2.7	7.3 3.2		7.6 4.2		8.4 4.0	
16	6.5 2.8	7.6 3.6	6.9 2.6	7.6 4.0	7.1 3.5	7.4 4.6	7.4 3.6	7.8 3.5									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 294

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
MIDDLE RIVER AT MOWRY BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	6.1 3.3	6.2 3.3	6.8 3.3	7.5 4.1	7.8 6.0	10.2 8.5	10.0 9.1	10.9 10.0	17	6.3 3.5	7.1 4.1	6.8 3.5	7.7 4.7	7.9 5.4	11.6 11.1	10.5 9.7	8.6 6.4
2	6.3 3.6	6.2 3.4	7.0 3.6	8.1 4.4	7.9 5.7	11.2 9.3	10.0 8.9	10.9 10.0	18	6.3 3.5	7.4 3.8	7.0 3.5	7.7 4.9	8.1 6.7	11.3 10.8	10.4 9.7	8.3 6.1
3	6.2 3.5	6.0 3.3	6.8 3.5	8.4 5.0	8.1 5.7	12.3 10.7	9.7 8.5	10.7 9.6	19	6.5 3.4	7.1 3.8	6.9 3.7	8.1 5.1	8.0 7.0	11.0 10.5	10.5 9.9	8.0 6.2
4	6.2 3.4	6.7 3.2	NR NR	8.6 5.2	8.1 5.9	13.0 11.9	9.6 8.4	10.3 9.5	20	6.7 3.4	7.1 3.6	6.8 3.7	8.0 5.8	8.4 7.1	10.7 10.1	10.9 10.2	8.2 6.8
5	6.3 3.3	7.0 3.6	NR NR	8.2 5.5	8.0 5.8	13.7 13.0	9.7 8.6	10.4 9.7	21	6.7 3.5	7.4 3.6	6.5 3.7	8.0 6.5	8.9 7.6	10.6 10.1	11.2 10.7	9.0 7.6
6	6.4 3.3	6.5 3.6	NR NR	8.0 5.5	7.9 5.8	13.4 12.9	9.9 8.9	10.3 9.6	22	6.6 3.3	6.8 3.8	6.2 3.6	7.8 6.1	9.2 8.0	10.8 10.2	11.3 10.9	9.4 8.5
7	6.4 3.3	6.2 3.2	NR NR	8.0 5.6	7.7 5.6	13.9 13.3	10.1 9.3	10.0 8.4	23	6.7 3.3	6.6 3.5	6.0 3.4	7.6 5.8	9.5 8.3	10.7 10.2	11.4 11.1	9.5 8.6
8	6.5 3.2	6.0 3.0	NR NR	8.1 5.5	7.7 5.4	14.2 14.0	10.2 9.5	9.0 7.9	24	6.6 3.4	6.1 3.3	6.3 3.4	8.1 5.6	10.0 9.2	10.6 10.0	11.6 11.3	9.4 8.4
9	6.7 3.3	6.2 3.0	NR NR	7.9 5.3	7.4 5.1	14.2 14.0	10.0 9.2	8.8 7.9	25	6.4 3.3	5.8 3.2	6.4 3.9	8.1 6.1	10.3 9.6	10.4 9.8	11.9 11.6	9.4 8.3
10	6.7 3.4	6.2 3.0	NR NR	7.8 5.1	7.3 5.1	14.1 13.7	9.9 9.0	8.9 7.9	26	6.2 3.3	5.9 3.2	7.3 4.1	7.6 6.0	10.5 9.9	10.1 9.5	12.0 11.7	9.4 8.3
11	6.5 3.4	6.0 3.2	NR NR	7.6 5.0	7.5 5.2	13.8 13.2	9.7 9.2	8.8 7.7	27	5.9 3.3	5.8 3.1	6.8 4.2	7.8 6.1	10.7 10.2	9.9 9.3	12.1 11.1	9.4 8.0
12	6.3 3.2	5.7 3.1	NR NR	8.1 4.8	7.2 4.9	13.3 13.0	9.9 9.2	8.7 7.7	28	5.8 3.2	5.7 3.0	6.7 4.2	8.1 6.1	10.6 9.9	9.8 9.3	11.5 11.0	9.0 7.3
13	6.3 3.2	5.9 3.1	NR NR	7.7 5.2	6.8 4.5	12.8 12.5	10.0 9.3	8.7 7.4	29	5.7 3.1	6.0 3.2	7.1 4.4		10.2 9.5	9.8 9.2	11.5 10.9	8.7 7.0
14	6.3 3.5	5.8 3.1	NR NR	7.7 4.9	6.6 4.5	12.4 12.2	10.2 9.7	8.5 7.0	30	5.8 3.0	6.1 3.2	7.3 4.4		10.1 9.4	9.9 9.1	11.3 10.5	8.5 6.5
15	6.1 3.4	6.4 3.3	6.4 3.3	7.6 5.0	6.7 4.6	12.1 11.7	10.3 9.7	8.4 6.8	31		6.2 3.3	7.3 4.1		9.5 8.8		11.1 10.1	
16	6.3 3.4	7.3 3.8	6.7 3.3	7.5 4.7	7.2 4.7	11.8 11.4	10.4 9.8	8.6 6.7									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 295

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
TOM PAINE SLOUGH ABOVE MOUTH

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	7.6 4.5	7.6 4.4	8.3 4.3	8.9 5.0	9.1 6.7	10.5 7.8	9.9 8.0	10.9 9.1	17	7.8 4.5	8.6 5.2	8.2 4.5	9.2 5.8	8.8 5.8	11.3 10.4	10.5 8.8	9.6 6.3
2	7.8 4.8	7.6 4.5	8.5 4.7	9.6 5.3	9.2 6.3	11.4 8.7	10.2 8.1	10.9 9.2	18	7.7 4.5	8.9 4.9	8.5 4.5	9.2 6.0	8.6 6.4	11.0 10.0	10.4 8.7	9.4 6.0
3	7.6 4.7	7.5 4.3	8.3 4.6	9.8 6.0	9.4 6.2	12.3 10.2	10.0 7.6	10.7 8.7	19	7.9 4.3	8.6 5.0	8.4 4.7	9.6 6.2	8.5 6.5	10.7 9.6	10.5 9.0	9.1 6.0
4	7.7 4.5	8.2 4.2	8.1 4.5	10.1 6.3	9.4 6.4	12.8 11.5	9.8 7.5	10.3 8.5	20	8.2 4.4	8.6 4.8	8.3 4.8	9.3 6.8	8.8 6.6	10.4 9.2	10.8 9.4	9.1 6.3
5	7.8 4.5	8.4 4.6	8.1 4.4	9.6 6.6	9.4 6.4	13.6 12.6	10.0 7.7	10.3 8.8	21	8.2 4.4	8.8 4.8	8.0 4.7	9.2 7.0	9.5 7.3	10.3 9.1	11.1 9.9	9.1 6.9
6	7.9 4.4	8.0 4.6	7.9 4.3	9.4 6.4	9.3 6.5	13.6 12.6	10.0 7.9	10.0 8.5	22	8.0 4.1	8.3 4.9	7.6 4.6	9.1 6.7	9.6 7.5	10.5 9.3	11.1 10.0	9.2 7.4
7	7.9 4.4	7.7 4.1	7.8 4.2	9.4 6.4	9.1 6.2	13.8 13.0	10.0 8.3	9.8 7.4	23	8.2 4.2	8.1 4.5	7.5 4.4	9.0 6.6	9.8 7.8	10.4 9.2	11.1 10.2	9.5 7.5
8	7.9 4.2	7.5 3.9	7.8 4.2	9.6 6.4	9.1 6.1	14.1 13.6	10.0 8.4	9.1 6.9	24	8.0 4.3	7.6 4.4	7.8 4.5	9.5 6.5	10.0 8.4	10.2 9.0	11.3 10.5	9.5 7.4
9	8.2 4.2	7.7 3.8	7.6 4.3	9.4 6.2	8.7 5.6	14.0 13.5	9.7 8.2	8.9 6.9	25	7.9 4.2	7.3 4.2	7.9 5.0	9.5 7.1	10.1 8.7	9.9 8.7	11.5 10.8	9.4 7.2
10	8.2 4.3	7.7 3.9	7.8 4.5	9.3 6.0	8.6 5.7	13.7 13.1	9.8 7.8	9.0 7.0	26	7.7 4.2	7.5 4.2	8.7 5.3	8.9 6.7	10.2 9.0	9.6 8.4	11.7 11.0	9.5 7.3
11	8.0 4.3	7.6 4.2	7.7 4.4	9.1 5.8	8.8 5.7	13.4 12.6	9.4 8.1	9.0 6.9	27	7.4 4.2	7.3 4.2	8.3 5.2	9.1 6.8	10.5 9.3	9.4 8.1	11.8 10.3	9.7 7.2
12	7.8 4.2	7.3 4.1	7.8 4.4	9.6 6.2	8.5 5.5	12.9 12.0	9.6 8.2	9.0 6.9	28	7.2 4.1	7.2 4.0	8.2 5.2	9.4 6.8	10.4 9.0	9.4 8.1	11.3 10.2	9.3 6.6
13	7.7 4.1	7.4 4.2	8.0 4.6	9.2 6.2	8.2 5.2	12.4 12.0	9.7 8.6	8.9 6.6	29	7.1 4.0	7.5 4.2	8.6 5.4		9.9 8.6	9.6 8.0	11.3 10.1	9.4 6.5
14	7.8 4.5	7.4 4.1	8.0 4.4	9.2 5.9	8.0 5.2	12.1 11.5	10.0 8.6	9.1 6.4	30	7.3 4.0	7.6 4.4	8.8 5.4		10.0 8.0	9.8 8.0	11.3 9.8	9.3 6.2
15	7.6 4.3	7.9 4.4	7.9 4.4	9.1 6.0	8.1 5.2	11.7 11.0	10.1 8.8	9.1 6.3	31		7.7 4.4	8.7 5.1		9.7 8.0		11.2 9.4	
16	7.8 4.4	8.8 5.1	8.2 4.3	9.0 5.7	8.6 5.3	11.5 10.7	10.2 8.8	9.4 6.4									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 296

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SAN JOAQUIN RIVER AT RINDGE PUMP

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr.	May	June
1	3.2 -0.1	3.2 -0.1	3.9 0.1	4.5 0.6	4.4 1.3	5.4 2.4	4.5 0.8	5.1 0.7	17	3.4 -0.1	4.3 0.3	3.9 -0.3	4.8 1.2	4.0 0.7	4.3 1.4	4.7 0.8	4.9 0.5
2	3.4 0.3	3.3 -0.3	4.2 -0.1	5.2 0.6	4.5 1.2	6.2 2.4	4.8 0.8	5.1 0.6	18	3.4 -0.3	4.6 0.3	4.1 -0.3	4.8 1.5	3.7 0.5	4.2 0.9	4.7 0.6	4.7 0.4
3	3.3 0.0	3.2 -0.5	4.0 -0.1	5.5 1.4	4.8 1.2	6.5 3.3	4.7 0.4	5.0 0.5	19	3.6 -0.3	4.3 0.3	4.0 -0.1	5.1 1.7	3.6 0.5	4.2 0.6	4.6 0.5	4.5 0.2
4	3.4 0.0	3.8 -0.1	3.9 -0.2	5.8 1.6	4.8 1.2	6.6 3.8	4.6 0.3	4.8 0.4	20	3.8 -0.3	4.3 0.0	3.9 0.0	4.8 2.2	4.0 0.5	4.0 0.4	4.7 0.7	4.4 0.1
5	3.4 -0.2	4.1 -0.1	3.9 -0.4	5.2 1.9	4.8 1.2	6.6 3.5	4.8 0.4	4.6 0.6	21	3.7 -0.3	4.5 0.0	3.6 -0.1	4.5 2.1	4.6 1.5	4.0 0.3	4.8 0.6	4.2 0.3
6	3.5 -0.2	3.6 -0.2	3.7 -0.4	4.9 1.5	4.8 1.6	6.7 3.4	4.7 0.3	4.1 0.3	22	3.7 -0.6	3.9 0.2	3.3 -0.2	4.4 1.9	4.6 1.4	4.2 0.4	4.4 0.4	4.2 0.4
7	3.5 -0.2	3.3 -0.7	3.6 -0.5	5.0 1.6	4.6 1.2	6.5 3.5	4.5 0.4	3.9 0.3	23	3.8 -0.6	3.7 -0.3	3.2 -0.3	4.3 1.8	4.7 1.7	3.7 0.1	4.2 0.5	4.2 0.4
8	3.6 -0.4	3.1 -0.9	3.5 -0.5	5.1 1.7	4.5 0.9	5.9 2.9	4.2 0.3	3.7 0.2	24	3.7 -0.4	3.3 -0.3	3.4 -0.1	5.0 1.9	4.7 1.7	3.5 0.0	4.3 0.6	4.1 0.4
9	3.8 -0.4	3.3 -1.1	3.3 -0.3	4.9 1.6	4.2 0.4	5.0 2.2	4.2 0.7	3.7 0.4	25	3.5 -0.5	2.9 -0.5	3.5 0.4	4.9 2.6	4.5 1.5	3.4 0.0	4.5 0.9	4.1 0.5
10	3.8 -0.3	3.3 -0.8	3.5 0.0	4.8 1.3	4.1 0.4	4.5 1.8	4.2 0.1	3.8 0.6	26	3.3 -0.4	3.0 -0.5	4.3 0.9	4.3 2.0	4.3 1.4	3.1 -0.2	4.5 0.9	4.3 0.4
11	3.6 -0.3	3.1 -0.7	3.3 -0.2	4.6 1.1	4.3 0.5	4.2 1.7	3.8 0.6	3.9 0.5	27	2.9 -0.4	2.9 -0.5	3.8 0.7	4.4 2.1	4.4 1.6	3.2 0.0	4.6 1.0	4.5 0.3
12	3.4 -0.5	2.9 -0.7	3.5 -0.2	5.2 1.7	4.0 0.4	4.3 1.4	3.9 0.3	4.0 0.5	28	2.8 -0.5	2.9 -0.6	3.8 0.6	4.6 1.8	4.2 1.3	3.5 0.3	4.6 1.2	4.3 -0.2
13	3.4 -0.6	3.1 -0.6	3.7 -0.1	4.7 1.2	3.6 0.0	4.3 1.6	3.7 0.6	3.9 0.1	29	2.7 -0.6	3.1 -0.3	4.2 0.9		4.0 1.3	3.8 0.4	4.8 1.0	4.6 0.1
14	3.3 0.0	3.0 -0.5	3.6 -0.3	4.7 1.3	3.5 0.2	4.4 1.3	3.9 0.5	4.2 0.1	30	2.9 -0.4	3.2 -0.2	4.4 0.4		4.6 1.3	4.2 0.7	5.0 1.0	4.6 -0.1
15	3.2 -0.3	3.6 -0.2	3.6 -0.5	4.7 1.2	3.6 0.1	4.2 1.4	4.0 0.4	4.3 0.0	31		3.3 -0.3	4.3 0.3		4.5 1.3		5.3 1.0	
16	3.4 -0.2	4.5 0.6	3.8 -0.3	4.6 1.2	4.0 0.6	4.3 1.5	4.3 0.6	4.7 0.5									

Crest Stages:	Date	
	Time	
	Stage	

NR—No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 297

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
OLD RIVER NEAR TRACY ROAD BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June
1	7.4 4.1	NR NR	8.1 4.0	NR NR	NR NR	10.1 6.8	9.4 7.0	10.2 7.8	17	7.6 4.2	NR NR	NR NR	9.1 5.5	8.5 5.4	10.2 9.0	9.8 7.6	NR NR
2	7.6 4.5	NR NR	8.3 4.4	NR NR	NR NR	10.9 7.9	9.7 7.1	10.2 NR	18	7.6 4.2	NR NR	NR NR	9.0 5.8	8.3 5.8	10.0 8.6	9.7 7.5	NR 5.3
3	7.5 4.4	NR NR	8.1 4.3	NR NR	9.3 NR	11.5 9.2	9.5 6.6	NR NR	19	7.7 4.0	NR NR	NR NR	9.4 6.0	8.2 5.8	9.8 8.2	9.7 7.7	8.9 5.2
4	7.5 4.2	NR NR	8.0 4.2	NR NR	9.2 6.0	11.8 10.4	9.4 6.5	NR NR	20	8.0 4.1	NR NR	NR NR	9.1 6.5	8.5 5.8	9.5 7.8	9.9 8.1	8.9 5.5
5	7.6 4.2	NR NR	8.0 4.1	NR NR	9.2 5.9	12.4 11.2	9.5 6.7	NR NR	21	8.0 4.1	8.7 4.5	7.8 NR	9.0 6.6	9.2 6.6	9.5 7.8	10.2 8.4	8.8 6.0
6	7.7 4.1	NR NR	7.8 4.0	NR NR	9.1 6.0	12.4 11.1	9.5 6.8	NR NR	22	7.9 3.9	8.1 4.6	7.5 4.3	8.9 6.3	9.3 6.8	9.6 7.9	10.1 8.5	8.7 6.4
7	7.7 4.0	NR NR	NR 3.9	NR NR	8.8 5.8	12.5 11.5	9.4 7.1	NR NR	23	8.0 3.9	7.9 4.2	7.4 4.1	8.7 6.2	9.4 7.0	9.4 7.8	10.0 8.7	8.9 6.4
8	7.8 3.9	NR NR	NR NR	NR NR	8.8 5.6	12.6 11.8	9.2 7.2	NR NR	24	7.8 4.0	7.5 4.1	7.6 4.2	9.3 6.1	9.5 7.4	9.2 7.6	10.1 8.9	9.0 6.4
9	7.9 3.9	NR NR	NR NR	NR NR	8.5 5.2	12.3 11.6	8.9 7.1	NR NR	25	7.9 3.9	7.2 3.9	7.7 4.7	9.2 6.8	9.4 7.6	8.9 7.4	10.3 9.2	8.9 6.2
10	8.0 4.0	NR NR	NR NR	NR NR	8.4 5.2	12.0 11.3	9.1 6.6	NR NR	26	NR NR	7.3 3.9	8.6 5.0	8.7 6.3	9.4 7.7	8.6 7.1	10.5 9.3	9.0 6.3
11	7.8 4.0	NR NR	NR NR	NR NR	8.6 5.2	11.8 10.8	8.7 7.0	NR NR	27	NR NR	7.1 3.9	8.1 4.9	8.8 NR	9.6 8.1	8.5 6.9	10.6 8.9	9.2 6.2
12	7.6 3.8	NR NR	NR NR	NR NR	8.3 5.1	11.4 10.3	8.9 7.0	NR NR	28	NR NR	7.1 3.7	8.0 NR	NR NR	9.5 7.8	8.6 6.9	10.2 8.7	9.0 5.6
13	7.5 3.8	NR NR	NR NR	NR NR	8.0 4.7	11.1 10.3	8.8 7.3	NR NR	29	NR NR	7.3 4.0	NR NR		9.2 7.4	8.8 6.9	10.3 8.6	9.1 5.6
14	7.6 4.2	NR NR	NR NR	NR NR	7.8 4.8	10.8 10.0	9.1 7.3	NR NR	30	NR NR	7.4 4.1	NR NR		9.4 7.0	9.1 6.9	10.4 8.4	9.1 5.3
15	7.4 4.0	NR NR	NR NR	8.9 5.6	7.9 4.8	10.5 9.6	9.2 7.5	NR NR	31		7.6 4.1	NR NR		9.2 7.0		10.4 8.1	
16	7.6 4.1	NR NR	NR NR	8.8 5.4	8.4 4.8	10.4 9.3	9.4 7.6	NR NR									

Crest Stages:	Date	
	Time	
	Stage	

NR— No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 298

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
GRANT LINE CANAL AT TRACY ROAD BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb.	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	5.5 2.4	5.6 2.5	6.3 2.4	7.0 3.0	7.1 4.1	8.3 5.1	7.6 5.2	8.4 6.0	17	5.8 2.5	6.6 3.0	6.2 2.5	7.2 3.8	6.7 3.7	8.4 7.1	8.0 5.8	7.5 4.0
2	5.8 2.8	5.6 2.3	6.5 2.8	7.6 3.3	7.1 4.1	9.1 6.1	7.9 5.3	8.4 6.1	18	5.7 2.5	6.9 3.0	6.4 2.5	7.2 4.1	6.5 4.2	8.2 6.7	7.9 5.7	7.3 3.6
3	5.6 2.7	5.5 2.3	6.3 2.6	7.9 4.1	7.4 4.0	9.7 7.3	7.7 4.8	8.2 5.7	19	5.9 2.4	6.6 3.0	6.4 2.7	7.6 4.3	6.3 4.1	8.0 6.3	7.9 5.8	7.0 3.6
4	5.7 2.5	6.1 2.2	6.1 2.5	8.1 4.3	7.4 4.3	10.0 8.4	7.6 4.8	7.9 5.5	20	6.1 2.4	6.6 2.8	6.3 2.8	7.3 4.8	6.7 4.2	7.7 6.0	8.2 6.2	7.1 3.8
5	5.7 2.5	6.5 2.6	6.1 2.4	7.7 4.6	7.4 4.3	10.5 9.0	7.7 4.9	7.8 5.7	21	6.2 2.5	6.9 2.8	6.0 2.7	7.2 4.9	7.4 4.9	7.7 5.9	8.4 6.5	7.0 4.3
6	5.9 2.4	6.0 2.6	5.9 2.3	7.4 4.3	7.3 4.4	10.6 9.0	7.7 5.0	7.4 5.5	22	6.0 2.2	6.3 3.0	5.6 2.6	7.0 4.6	7.5 5.1	7.8 6.0	8.3 6.6	6.9 4.6
7	5.9 2.4	5.7 2.1	5.8 2.3	7.5 4.4	7.0 4.1	10.6 9.4	7.6 5.3	7.3 4.6	23	6.1 2.2	6.1 2.6	5.6 2.5	6.9 4.5	7.5 5.3	7.6 5.9	8.2 6.8	7.1 4.7
8	5.9 2.2	5.5 1.9	5.8 2.3	7.6 4.5	7.0 4.0	10.6 9.6	7.5 5.4	6.8 4.2	24	6.0 2.3	5.6 2.5	5.8 2.6	7.5 4.4	7.7 5.7	7.4 5.7	8.2 7.0	7.2 4.6
9	6.1 2.3	5.7 1.7	5.6 2.4	7.4 4.2	6.7 3.5	10.3 9.4	7.2 5.3	6.6 4.2	25	5.9 2.2	5.3 2.2	6.0 3.1	7.5 5.0	7.7 5.7	7.2 5.5	8.4 7.3	7.1 4.5
10	6.2 2.4	5.7 1.9	5.8 2.6	7.2 4.0	6.6 3.6	10.0 9.2	7.4 4.8	6.7 4.3	26	5.7 2.2	5.5 2.2	6.7 3.4	6.9 4.6	7.6 5.8	6.8 5.2	8.7 7.4	7.2 4.6
11	6.0 2.4	5.5 2.1	5.6 2.5	7.1 3.8	6.8 3.6	9.8 8.8	7.0 5.2	6.8 4.4	27	5.4 2.2	5.3 2.2	6.3 3.3	7.0 4.7	7.8 6.1	6.7 5.0	8.8 7.0	7.4 4.5
12	5.8 2.2	5.3 2.0	5.8 2.5	7.6 4.2	6.5 3.4	9.5 8.3	7.1 5.1	6.8 4.3	28	5.3 2.1	5.2 2.0	6.2 3.2	7.4 4.6	7.7 5.8	6.9 5.1	8.5 7.0	7.2 3.9
13	5.8 2.1	5.4 2.2	6.0 2.6	7.2 4.2	6.2 3.0	9.2 8.1	7.1 5.5	6.7 4.0	29	5.2 2.0	5.5 2.3	6.6 3.4		7.4 5.6	7.1 5.1	8.6 6.8	7.3 4.0
14	5.8 2.6	5.4 2.2	6.0 2.4	7.2 3.8	6.0 3.1	9.0 8.1	7.3 5.6	7.0 3.9	30	5.3 2.1	5.6 2.4	6.8 3.4		7.6 5.3	7.3 5.2	8.6 6.6	7.2 3.7
15	5.6 2.4	5.9 2.5	5.9 2.4	7.1 3.9	6.1 3.2	8.7 7.6	7.5 5.6	7.0 3.8	31		5.7 2.4	6.7 3.1		7.4 5.3		8.7 6.3	
16	5.8 2.4	6.8 3.2	6.2 2.3	7.0 3.7	6.6 3.2	8.6 7.4	7.7 5.7	7.3 4.0									

Crest Stages:	Date					
	Time					
	Stage					

NR— No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 299

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
MIDDLE RIVER AT BORDEN HIGHWAY

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar.	Apr	May	June		Nov.	Dec.	Jan.	Feb	Mar	Apr.	May	June
1	3.2 0.2	3.3 0.2	3.9 0.4	4.5 0.6	4.5 1.6	5.2 NR	4.7 1.5	5.4 1.6	17	3.4 0.2	4.2 0.6	3.8 0.0	4.8 1.4	4.1 1.0	4.7 2.2	5.0 1.5	5.0 0.9
2	3.4 0.5	3.3 0.0	4.2 0.3	5.2 0.9	4.6 1.5	NR NR	5.1 1.5	5.4 1.5	18	3.3 0.0	4.5 0.6	4.1 0.1	4.9 1.8	3.9 1.2	4.5 1.7	5.0 1.3	4.7 0.7
3	3.3 0.3	3.1 -0.2	4.0 0.3	5.4 1.7	4.9 1.5	NR NR	4.9 1.1	5.2 1.3	19	3.5 0.0	4.2 0.6	4.0 0.3	5.1 2.0	3.7 1.0	4.5 1.5	4.9 1.3	4.5 0.6
4	3.3 0.2	3.8 0.3	3.8 0.2	5.7 1.9	4.9 1.6	NR NR	4.8 1.0	5.0 1.2	20	3.8 0.0	4.2 0.4	3.9 0.3	4.8 2.4	4.1 1.0	4.4 1.2	5.0 1.5	4.5 0.6
5	3.4 0.2	4.1 0.3	3.8 0.0	5.2 2.2	4.8 1.6	NR NR	5.0 1.1	4.8 1.3	21	3.8 0.1	4.5 0.4	3.6 0.3	4.6 2.4	4.8 1.9	4.4 1.2	5.1 1.6	4.3 0.8
6	3.5 0.1	3.6 0.2	3.6 0.0	4.9 1.8	4.7 1.8	NR NR	4.9 1.0	4.4 1.0	22	3.7 -0.2	3.9 0.6	3.3 0.2	4.5 2.1	4.8 1.9	4.5 1.2	4.8 1.4	4.3 0.9
7	3.5 0.0	3.3 -0.3	3.5 -0.1	4.9 1.9	4.5 1.5	NR NR	4.7 1.1	4.1 0.8	23	3.8 -0.2	3.6 0.1	3.2 0.1	4.4 2.0	4.8 2.1	4.1 0.9	4.6 1.4	4.3 0.9
8	3.6 -0.1	3.1 -0.6	3.5 -0.1	5.1 2.0	4.5 1.3	NR NR	4.5 1.1	4.1 0.6	24	3.7 -0.1	3.2 0.0	3.5 0.2	5.0 2.0	4.9 2.1	3.9 0.8	4.5 1.5	4.4 0.9
9	3.7 -0.1	3.2 -0.8	3.3 0.0	4.9 1.8	4.1 0.8	NR NR	4.1 1.1	3.9 0.7	25	3.5 -0.1	2.9 -0.2	3.5 0.7	5.0 2.7	4.8 2.0	3.7 0.7	4.5 1.8	4.3 0.9
10	3.8 0.0	3.3 -0.6	3.5 0.3	4.7 1.6	4.1 0.8	NR NR	4.5 0.7	4.0 0.9	26	3.3 -0.1	3.0 -0.2	4.4 1.1	4.4 2.2	4.6 1.9	3.4 0.5	4.8 1.8	4.5 0.9
11	3.6 0.0	3.1 -0.3	3.3 0.2	4.6 1.4	4.3 0.9	NR NR	4.1 1.1	4.1 1.0	27	3.0 -0.1	2.9 -0.2	3.9 0.9	4.5 2.3	4.7 2.2	3.4 0.6	4.9 1.8	4.6 0.8
12	3.4 -0.2	2.8 -0.4	3.5 0.2	5.1 1.8	4.1 0.7	NR NR	4.2 0.9	4.2 0.8	28	2.8 -0.2	2.8 -0.3	3.8 0.8	4.8 2.1	4.5 1.8	3.8 0.9	4.9 1.9	4.5 0.4
13	3.4 -0.2	3.0 -0.3	3.6 0.2	4.7 1.4	3.7 0.4	NR NR	4.0 1.2	4.1 0.5	29	2.8 -0.3	3.1 0.0	4.2 1.1		4.3 1.8	4.1 1.0	5.1 1.8	4.7 0.6
14	3.4 0.3	2.9 -0.3	3.6 0.0	4.7 1.5	3.6 0.5	NR NR	4.2 1.2	4.3 0.5	30	2.9 -0.2	3.2 0.1	4.4 0.7		4.8 1.8	4.4 1.3	5.3 1.8	4.7 0.4
15	3.2 0.0	3.5 0.1	3.6 -0.1	4.6 1.5	3.6 0.5	NR NR	4.3 1.1	4.4 0.5	31		3.4 0.0	4.3 0.6		4.7 1.7		5.6 1.8	
16	3.3 0.1	4.4 0.9	3.8 0.0	4.6 1.4	4.1 1.0	4.7 2.2	4.6 1.3	4.7 0.9									

Crest Stages:	Date					
	Time					
	Stage					

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 300

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SOUTH FORK MOKELUMNE RIVER AT NEW HOPE BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb	Mar	Apr	May	June		Nov.	Dec.	Jan	Feb	Mar	Apr.	May	June
1	3.1 0.1	3.2 0.2	3.9 0.4	4.7 1.6	4.7 2.5	6.6 5.3	4.4 1.8	5.3 2.2	17	3.4 0.2	4.3 0.9	3.9 0.1	5.1 2.3	4.9 2.1	4.5 2.7	NR NR	5.0 1.4
2	3.2 0.3	3.2 0.0	4.1 0.3	5.3 1.6	4.8 2.3	8.4 6.7	4.8 1.8	5.3 2.1	18	3.3 0.0	4.5 0.9	3.9 0.2	5.4 2.5	4.8 3.4	4.4 2.2	NR NR	4.9 1.4
3	3.3 0.3	3.1 -0.2	4.0 0.3	5.6 2.1	5.0 2.3	9.5 7.9	4.6 1.4	5.2 2.0	19	3.5 0.0	4.3 0.8	4.0 0.4	5.5 2.9	4.1 2.2	4.3 2.0	NR NR	4.7 1.4
4	3.3 0.3	3.8 0.2	3.9 0.2	6.1 2.7	5.0 2.3	NR NR	4.7 1.2	5.0 1.9	20	3.9 0.0	4.3 0.6	3.9 0.4	5.5 3.8	4.5 1.8	4.2 1.9	NR NR	4.5 1.3
5	3.4 0.3	4.0 0.2	3.9 0.1	5.5 3.2	5.1 2.2	11.7 10.5	4.8 1.4	4.9 2.0	21	3.6 0.2	4.5 0.5	3.7 0.4	5.3 3.8	4.8 2.5	4.2 1.8	NR NR	4.3 1.4
6	3.5 0.1	3.6 0.2	3.7 0.0	5.3 2.8	5.0 2.5	10.0 8.7	4.7 1.4	4.3 1.6	22	3.7 -0.2	3.9 0.7	3.4 0.3	4.8 3.2	5.5 3.0	4.3 1.8	NR NR	4.3 1.4
7	3.5 0.1	3.4 -0.3	3.5 -0.1	5.3 2.9	4.8 2.2	9.0 8.2	4.6 1.4	4.0 1.2	23	3.8 -0.2	3.8 0.2	3.3 0.1	4.6 2.9	7.1 5.4	3.8 1.4	4.4 1.5	4.3 1.3
8	3.5 -0.1	3.2 -0.5	3.5 -0.1	5.3 2.7	4.7 2.0	8.0 6.7	4.4 1.4	4.0 1.0	24	3.7 0.0	3.3 0.1	3.6 0.5	5.3 2.7	7.0 5.7	3.7 1.3	4.4 1.6	4.2 1.2
9	3.7 -0.1	3.3 -0.6	3.4 0.0	5.2 2.6	4.4 1.5	6.6 5.2	4.3 1.5	3.8 1.0	25	3.5 -0.1	3.0 -0.1	3.6 0.8	5.1 3.8	6.4 4.9	3.6 1.2	4.7 2.0	4.2 1.3
10	3.8 0.0	3.4 -0.5	3.6 0.4	5.0 2.3	4.3 1.4	5.7 4.2	4.3 1.0	3.9 1.2	26	3.3 -0.1	3.1 -0.1	4.5 1.4	5.2 4.1	5.6 3.9	3.3 1.0	4.7 2.1	4.4 1.3
11	3.5 0.0	3.2 -0.3	3.4 0.2	4.8 2.2	4.4 1.5	5.1 3.7	3.9 1.4	4.0 1.2	27	2.9 -0.1	2.9 -0.2	4.0 1.4	5.2 3.7	5.2 3.2	3.3 0.9	4.8 2.2	4.5 0.8
12	3.4 -0.1	3.0 -0.4	3.6 0.3	5.4 2.7	4.1 1.1	5.0 3.3	4.1 1.2	4.1 1.2	28	2.8 -0.2	3.0 -0.3	4.1 1.6	4.9 3.0	4.7 2.6	3.5 1.2	4.9 2.4	4.3 0.4
13	3.5 -0.2	3.1 -0.2	3.6 0.3	5.2 3.2	3.8 0.7	4.8 3.2	3.9 1.4	4.0 0.9	29	2.7 -0.3	3.1 0.0	4.4 1.6		4.4 2.6	3.8 1.4	5.0 2.3	4.6 0.7
14	3.3 0.3	3.0 -0.2	3.6 0.0	5.3 3.3	3.8 0.9	4.8 2.8	4.0 1.4	4.3 1.0	30	2.9 -0.2	3.2 0.2	4.5 1.2		4.8 2.6	4.2 1.6	5.2 2.4	4.6 0.6
15	3.1 0.0	3.7 0.0	3.6 -0.1	5.0 2.8	3.8 0.9	4.5 2.7	4.1 1.2	4.4 0.9	31		3.4 0.1	4.5 1.5		5.5 3.8		5.5 2.4	
16	3.4 0.2	4.4 0.9	3.8 0.1	4.9 2.4	4.3 2.1	4.5 2.7	4.4 NR	4.7 1.3									

Crest Stages:	Date						
	Time						
	Stage						

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 301

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SNODGRASS SLOUGH AT TWIN CITIES ROAD BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb.	Mar	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	3.9 1.7	4.0 1.7	4.6 2.2	5.5 3.3	5.9 5.1	9.1 8.0	5.2 3.5	6.1 4.2	17	4.1 1.9	5.0 2.7	4.6 1.9	6.0 4.4	7.2 4.0	5.6 4.9	5.5 3.3	5.7 3.2
2	3.9 1.9	4.0 1.7	4.8 2.2	6.1 3.3	5.8 4.7	10.5	5.5 3.5	6.1 4.2	18	4.0 1.8	5.2 2.7	4.7 2.0	6.3 4.5	7.4 6.7	5.4 4.4	5.5 3.2	5.5 3.3
3	4.0 1.9	3.9 1.7	4.7 2.1	6.4 4.0	6.0 4.4	12.3	5.3 3.1	6.0 4.1	19	4.2 1.8	5.0 2.6	4.7 2.1	6.2 5.1	5.6 4.6	5.4 4.2	5.5 3.2	5.4 3.2
4	4.1 1.9	4.4 1.6	4.6 2.0	7.0 4.6	5.9 4.4	14.0	5.2 3.0	5.8 4.0	20	4.4 1.8	4.9 2.3	4.7 2.2	7.6 6.3	5.6 3.9	5.3 4.1	5.6 3.4	5.3 3.2
5	4.2 1.9	4.7 2.0	4.6 1.9	6.4 5.2	5.9 4.4	13.3	5.4 3.1	5.8 4.0	21	4.2 2.0	5.2 2.3	4.4 2.1	7.2 6.4	5.8 4.5	5.3 3.9	5.7 3.3	5.2 3.2
6	4.2 1.8	4.3 2.0	4.4 1.8	6.3 5.0	5.9 4.6	11.7	5.4 3.0	5.3 3.5	22	4.3 1.7	4.6 2.5	4.2 2.0	6.1 5.5	6.8	5.4 3.8	5.4 3.1	5.1 3.2
7	4.2 1.8	4.1 1.6	4.3 1.8	6.3 5.2	5.7 4.2	11.0	5.3 3.1	4.8 2.9	23	4.4 1.7	4.5 2.0	4.2 1.8	5.8 5.0	10.1	4.9 3.4	5.3 3.1	5.1 2.9
8	4.3 1.7	3.9 1.3	4.2 1.7	6.2 4.7	5.6 3.9	9.9	5.2 3.1	4.8 2.4	24	4.4 1.8	4.2 1.9	4.4 2.2	6.3 4.6	9.9	4.8 3.2	5.2 3.2	5.0 2.7
9	4.4 1.7	4.0 1.2	4.1 1.8	6.1 4.6	5.2 3.3	8.4	4.9 3.1	4.6 2.4	25	4.3 1.7	3.9 1.6	4.4 2.4	6.3 5.6	9.4 8.7	4.6 2.9	5.2 3.6	4.9 2.6
10	4.5 1.8	4.1 1.4	4.3 2.0	5.8 4.1	5.1 3.2	7.4	5.2 2.4	4.7 2.4	26	4.1 1.7	3.9 1.6	5.3 2.9	7.6 6.6	8.7 7.2	4.4 2.5	5.5 3.8	5.0 2.8
11	4.3 1.8	4.0 1.5	4.1 1.9	5.7 3.7	5.2 3.2	7.0 6.4	4.8 2.8	4.7 2.6	27	3.8 1.7	3.8 1.5	4.8 2.8	7.4 6.4	7.2 6.0	4.3 2.4	5.7 3.9	5.1 2.6
12	4.2 1.7	3.8 1.4	4.3 1.8	6.3 4.3	5.0 2.7	6.5 6.3	4.9 2.6	4.8 2.7	28	3.7 1.5	3.8 1.3	5.1 3.2	6.4 5.9	6.1 5.1	4.5 2.8	5.7 4.0	4.8 2.2
13	4.4 1.6	3.8 1.5	4.3 2.0	6.7 4.7	4.7 2.4	6.2 6.0	4.7 2.8	4.7 2.4	29	3.5 1.3	3.9 1.5	5.2 3.1		5.7 4.8	4.7 3.0	5.8 4.2	5.1 2.6
14	4.1 2.0	3.8 1.5	4.4 1.8	6.6 5.2	4.7 2.6	6.0 5.7	4.8 2.8	5.0 2.6	30	3.7 1.4	4.0 1.7	5.3 3.1		6.0 5.0	4.9 3.2	6.0 4.2	5.1 2.5
15	4.1 1.8	4.4 1.7	4.3 1.7	6.1 5.0	4.7 2.5	5.7 5.3	4.9 2.7	5.1 2.6	31		4.2 1.7	5.3 2.8		7.8 5.0		6.3 4.4	
16	4.1 1.9	5.1 2.5	4.6 1.7	5.9 4.6	5.2 2.5	5.6 5.0	5.1 2.9	5.3 3.0									

Crest Stages:	Date	3-23-58	4- 4-58
	Time	10:00 PM	1:00 PM
	Stage	10.4	14.4

NR— No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 302

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SAN JOAQUIN RIVER AT VENICE ISLAND

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	6.7 3.7	6.8 3.7	7.5 3.8	8.1 4.4	8.0 5.1	9.0 6.1	8.0 4.5	8.6 4.5	17	7.0 3.7	7.9 4.1	7.4 3.5	8.4 4.9	7.5 4.4	7.8 5.0	8.2 4.5	8.4 4.2
2	6.9 3.9	6.8 3.5	7.7 3.7	8.8 5.2	8.1 5.0	9.5 6.2	8.3 4.5	8.6 4.4	18	6.9 3.5	8.1 4.1	7.6 3.5	8.5 5.3	7.2 4.3	7.7 4.6	8.2 4.3	8.2 4.1
3	6.8 3.8	6.7 3.3	7.6 3.6	9.1 5.2	8.4 5.0	10.0 7.3	8.1 4.1	8.4 4.2	19	7.1 3.5	7.8 3.8	7.6 3.7	8.6 5.5	7.0 4.3	7.6 4.3	8.1 4.2	8.1 4.0
4	6.9 3.8	7.4 3.7	7.4 3.6	9.3 5.4	8.3 5.0	10.1 7.4	8.1 4.0	8.2 4.2	20	7.3 3.5	7.8 3.8	7.5 3.8	8.3 6.0	7.6 4.3	7.5 4.1	8.2 4.4	7.9 3.9
5	7.0 3.6	7.6 3.7	7.4 3.4	8.8 5.7	8.4 5.0	9.9 7.2	8.2 4.1	8.1 4.3	21	7.3 3.5	8.1 3.8	7.2 3.7	8.0 5.8	8.1 5.2	7.6 4.0	8.3 4.3	7.7 4.1
6	7.1 3.6	7.2 3.7	7.2 3.3	8.5 5.3	8.3 5.3	10.2 7.0	8.1 4.0	7.6 4.0	22	7.3 3.2	7.5 4.0	6.8 3.6	7.9 5.6	8.1 5.2	7.7 4.1	8.0 4.1	7.7 4.1
7	7.0 3.6	6.9 3.1	7.1 3.3	8.6 5.4	8.1 4.9	9.9 7.0	7.9 4.1	7.4 4.0	23	7.3 3.2	7.2 3.5	6.8 3.5	7.9 5.6	8.2 5.3	7.3 3.8	7.8 4.2	7.7 4.1
8	7.2 3.4	6.7 2.9	7.0 3.3	8.7 5.5	8.0 4.7	9.4 6.5	7.7 4.0	7.2 4.0	24	7.2 3.4	6.8 3.5	7.0 3.8	8.5 5.6	8.2 5.3	7.0 3.7	7.7 4.3	7.7 4.1
9	7.3 3.4	6.9 2.7	6.8 3.4	8.5 5.3	7.7 4.2	8.5 5.8	7.7 4.3	7.2 4.1	25	7.1 3.3	6.5 3.3	7.1 4.2	8.4 6.3	8.0 5.2	6.9 3.7	7.9 4.5	7.7 4.2
10	7.4 3.5	6.9 2.9	7.0 3.8	8.3 5.1	7.6 4.1	7.9 5.4	7.7 3.8	7.4 4.3	26	6.8 3.4	6.6 3.3	7.9 4.7	7.8 5.7	7.8 5.0	6.7 3.6	7.9 4.6	7.8 4.2
11	7.1 3.5	6.7 3.1	6.8 3.6	8.1 4.9	7.8 4.3	7.7 5.3	7.3 4.3	7.4 4.3	27	6.5 3.4	6.5 3.3	7.4 4.5	7.9 5.8	8.0 5.3	6.7 3.7	8.1 4.6	8.0 4.0
12	7.0 3.3	6.4 3.1	7.1 3.6	8.7 5.4	7.5 4.2	7.8 5.1	7.4 4.0	7.6 4.2	28	6.4 3.3	6.5 3.2	7.3 4.3	8.1 5.5	7.8 4.9	7.0 4.0	8.1 4.8	7.8 3.6
13	7.0 3.3	6.6 3.2	7.2 3.7	8.2 4.9	7.2 3.8	7.8 5.3	7.2 4.3	7.4 3.8	29	6.3 3.2	6.6 3.5	7.7 4.6		7.6 5.0	7.3 4.2	8.3 4.7	8.1 3.9
14	6.9 3.8	6.6 3.3	7.2 3.4	8.3 5.0	7.1 4.0	7.9 5.0	7.3 4.2	7.7 3.8	30	6.4 3.3	6.7 3.6	7.9 4.2		8.1 5.0	7.6 4.4	8.5 4.7	8.1 3.7
15	6.7 3.5	7.2 3.6	7.2 3.3	8.2 4.9	7.2 3.8	7.7 5.1	7.5 4.2	7.8 3.8	31		6.9 3.5	7.9 4.0		8.0 5.0		8.8 4.7	
16	6.9 3.6	8.1 4.4	7.4 3.5	8.1 4.9	7.6 4.4	7.8 5.2	7.7 4.3	8.2 4.2									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 303

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
DELTA CROSS CHANNEL AT WALNUT GROVE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	NR NR	4.6 1.7	5.3 2.0	6.0 2.9	6.1 4.1	8.3 6.2	5.8 3.4	6.7 3.7	17	4.8 1.8	5.7 2.5	5.2 1.7	6.4 3.8	6.4 3.4	5.9 4.2	6.2 3.2	6.4 3.0
2	NR NR	4.6 1.6	5.5 2.0	6.7 3.1	6.1 3.9	10.3 7.2	6.2 3.4	6.7 3.6	18	4.8 1.6	5.9 2.5	5.3 1.8	6.7 4.1	6.5 5.2	5.7 3.7	6.2 3.0	6.2 3.0
3	NR NR	4.5 1.4	5.4 1.9	7.0 3.7	6.4 3.9	11.4 10.0	6.0 2.9	6.5 3.5	19	4.9 1.6	5.7 2.4	5.4 1.9	6.8 4.5	5.5 3.7	5.7 3.5	6.1 3.0	6.1 2.9
4	NR NR	5.2 1.4	5.3 1.8	7.4 4.3	6.3 3.9	13.3	6.0 2.8	6.3 3.4	20	5.2 1.6	5.6 2.2	5.3 2.0	7.0 5.4	5.8 3.3	5.6 3.4	6.2 3.2	5.9 2.8
5	NR NR	5.4 1.8	5.2 1.7	6.8 4.8	6.4 3.8	13.2	6.2 2.9	6.2 3.5	21	5.0 1.8	5.9 2.1	5.0 2.0	6.8 5.5	6.1 4.0	5.6 3.3	6.3 3.2	5.7 2.9
6	NR NR	5.0 1.8	5.1 1.6	6.6 4.3	6.3 4.1	11.9 10.7	6.1 2.9	5.7 3.0	22	5.1 1.4	5.3 2.3	4.7 1.8	6.2 4.8	7.2 4.5	5.7 3.2	6.0 3.0	5.7 2.9
7	4.9 1.6	4.8 1.3	4.9 1.5	6.7 4.5	6.1 3.8	10.8 10.2	5.9 2.8	5.4 2.7	23	5.2 1.4	5.1 1.8	4.7 1.7	6.0 4.4	8.9 7.3	5.2 2.9	5.8 3.0	5.7 2.8
8	5.0 1.5	4.5 1.1	4.9 1.5	6.7 4.2	6.0 3.5	9.8 8.6	5.8 2.9	5.2 2.4	24	5.0 1.6	4.7 1.7	5.0 2.1	6.7 4.3	8.8 7.6	5.1 2.8	5.8 3.1	5.6 2.6
9	5.1 1.5	4.7 0.9	4.8 1.6	6.5 4.1	5.7 3.0	8.2 6.9	5.7 3.0	5.2 2.5	25	4.9 1.5	4.4 1.4	5.0 2.4	6.5 5.3	8.2 6.9	4.9 2.6	6.0 3.4	5.8 2.7
10	5.2 1.6	4.8 1.1	5.0 1.9	6.3 3.8	5.6 2.8	7.3 5.8	5.7 2.4	5.3 2.6	26	4.7 1.5	4.5 1.5	5.8 3.0	6.8 5.7	7.3 5.7	4.7 2.4	6.0 3.5	5.8 2.8
11	5.0 1.6	4.6 1.3	4.7 1.8	6.1 3.7	5.7 3.0	6.6 5.3	5.3 2.9	5.4 2.7	27	4.3 1.5	4.3 1.4	5.3 2.9	6.8 5.4	6.7 4.9	4.7 2.4	6.2 3.6	5.9 2.4
12	4.8 1.4	4.3 1.2	5.0 1.8	6.7 4.2	5.5 2.6	6.4 4.9	5.5 2.6	5.5 2.7	28	4.3 1.3	4.4 1.3	5.4 3.0	6.2 4.6	6.1 4.2	5.0 2.7	6.2 3.8	5.7 2.0
13	5.0 1.4	4.5 1.4	5.0 1.9	6.6 4.7	5.2 2.2	6.2 4.8	5.3 2.9	5.4 2.4	29	4.2 1.3	4.5 1.5	5.7 3.1		5.8 4.1	5.2 3.0	6.3 3.8	6.0 2.3
14	4.7 1.9	4.4 1.3	5.0 1.6	6.7 4.5	5.2 2.5	6.2 4.4	5.4 2.9	5.7 2.5	30	4.3 1.3	4.6 1.7	5.8 2.7		6.2 4.1	5.5 3.2	6.5 3.8	6.0 2.2
15	4.6 1.6	5.1 1.6	5.0 1.5	6.4 4.0	5.1 2.4	5.9 4.3	5.5 2.7	5.8 2.4	31		4.8 1.6	5.8 2.9		7.0 4.1		6.8 3.9	
16	4.8 1.8	5.8 2.5	5.2 1.7	6.2 4.0	5.6 3.4	5.9 4.3	5.8 2.9	6.1 2.9									

Crest Stages:	Date	4- 4-58
	Time	7:00 PM
	Stage	14.4

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 304

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SACRAMENTO RIVER AT WALNUT GROVE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec.	Jan.	Feb.	Mar.	Apr	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	3.7 1.5	3.9 1.3	5.1 2.9	8.4 7.1	10.4 9.6	10.0 9.1	7.0 5.5	7.4 5.5	17	4.6 2.7	5.2 2.3	5.4 3.3	9.9 9.1	6.5 5.2	8.4 7.8	7.3 5.7	6.3 3.4
2	3.8 1.6	3.8 1.3	5.2 2.7	8.7 7.5	9.9 9.2	11.0 9.8	7.1 5.2	7.2 5.2	18	4.4 2.1	5.8 3.4	5.4 3.2	10.1 9.4	6.2 4.9	8.3 7.6	7.2 5.8	6.2 3.4
3	3.9 1.5	3.8 1.1	5.1 2.7	9.3 7.5	9.7 8.7	11.6 10.7	6.8 4.9	6.9 4.8	19	4.5 1.8	5.9 3.7	5.3 3.2	10.8 9.4	5.9 4.8	8.2 7.3	7.2 5.9	6.0 3.6
4	4.0 1.5	4.5 1.4	5.2 2.7	9.6 8.1	9.1 8.4	12.3 11.0	6.7 4.8	6.6 4.6	20	4.6 1.7	5.9 3.7	5.1 3.0	10.9 10.2	6.2 4.5	7.8 7.1	7.4 6.1	5.8 3.5
5	4.1 1.4	4.8 1.4	5.2 2.9	9.3 8.1	8.8 7.9	12.0 10.9	6.8 4.8	6.4 4.3	21	4.3 1.7	6.0 3.6	4.7 2.7	10.9 10.3	6.3 4.8	7.8 7.0	7.5 6.2	5.5 3.2
6	4.2 1.3	4.3 1.4	4.9 2.7	9.2 8.0	8.7 7.8	11.8 10.8	6.6 4.8	5.7 3.9	22	4.5 1.4	5.3 3.4	4.3 2.5	10.8 10.0	7.1 5.3	7.7 7.0	7.3 6.4	5.2 3.0
7	4.2 1.3	4.0 1.0	4.6 2.4	9.4 8.2	8.4 7.4	11.8 11.0	6.5 4.9	5.3 3.6	23	4.5 1.5	5.3 3.1	4.2 2.3	10.2 9.6	8.0 6.8	7.5 6.9	7.3 6.4	5.1 2.7
8	4.3 1.2	3.8 0.8	4.5 2.2	9.7 8.6	8.2 7.0	11.5 10.6	6.4 4.9	5.1 3.3	24	4.4 1.5	5.0 3.3	4.4 2.4	9.8 9.2	9.3 7.9	7.4 6.8	7.6 6.7	4.9 2.5
9	4.4 1.2	4.0 0.8	4.2 2.1	9.7 8.6	7.8 6.7	11.0 10.3	6.4 5.0	5.1 3.2	25	4.1 1.5	4.5 3.2	4.5 2.7	10.5 9.7	9.7 9.1	7.3 6.8	8.1 7.2	5.0 2.3
10	4.4 1.3	4.0 0.9	4.5 2.3	9.7 8.7	7.5 6.4	10.7 10.2	6.1 4.7	5.1 3.3	26	3.8 1.5	4.5 2.8	5.6 3.4	11.1 10.6	9.7 9.0	7.1 6.6	8.2 7.3	5.2 2.3
11	4.1 1.3	3.8 0.9	4.3 2.2	9.6 8.6	7.3 6.0	10.4 9.6	6.1 5.0	5.1 3.3	27	3.5 1.4	4.2 2.5	6.1 4.5	11.5 11.0	9.6 8.8	7.0 6.4	8.0 7.1	5.2 2.0
12	3.9 1.1	3.5 0.9	4.9 2.6	9.8 8.8	6.8 5.5	9.9 8.6	6.3 5.1	5.2 3.3	28	3.4 1.3	4.0 2.1	6.6 5.4	11.2 10.2	9.2 8.3	7.1 6.2	8.0 6.9	5.0 1.5
13	4.0 1.0	3.7 1.0	5.2 3.3	9.9 9.1	6.3 5.0	8.9 8.3	6.3 5.4	5.1 3.1	29	3.3 1.2	4.0 2.1	7.2 6.0		8.5 7.6	7.0 5.9	8.0 6.6	5.3 1.6
14	3.9 1.5	3.7 1.0	5.2 3.3	10.0 9.1	6.0 4.8	8.7 8.0	6.6 5.6	5.4 3.3	30	3.5 1.1	4.2 2.3	7.6 6.5		8.2 7.6	7.1 5.6	7.8 6.3	5.2 1.4
15	4.0 1.6	4.4 1.1	5.3 3.3	10.0 9.0	6.1 4.8	8.5 7.9	6.8 5.7	5.7 3.5	31		4.6 2.7	8.1 7.0		8.8 8.2		7.7 6.0	
16	4.5 2.5	5.3 1.8	5.5 3.4	9.8 8.9	6.6 5.3	8.4 7.9	7.0 5.7	6.0 3.8									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 305

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
MIDDLE RIVER AT BACON ISLAND

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	6.1 3.4	6.2 3.2	6.9 3.3	7.5 3.9	7.4 4.6	8.2 5.6	7.4 4.0	8.1 4.0	17	6.4 3.2	7.3 3.6	6.8 3.0	7.8 4.4	7.0 4.0	7.4 4.5	7.7 4.0	7.9 3.7
2	6.3 3.4	6.2 3.0	7.1 3.2	8.1 4.6	7.5 4.4	8.7 5.7	7.8 4.1	8.1 3.9	18	6.3 3.0	7.5 3.6	7.0 3.0	7.9 4.8	6.7 3.8	7.2 4.1	7.7 3.8	7.6 3.6
3	6.2 3.2	6.1 2.8	7.0 3.0	8.3 4.6	7.8 4.5	9.1 6.8	7.7 3.6	7.9 3.7	19	6.5 3.0	7.2 3.6	7.0 3.2	8.0 5.0	6.5 3.8	7.2 3.8	7.6 3.7	7.4 3.4
4	6.3 3.2	6.8 3.2	6.8 3.0	8.6 4.9	7.8 4.5	9.3 7.0	7.6 3.5	7.7 3.6	20	6.7 3.0	7.2 3.3	6.9 3.3	7.7 5.4	7.0 4.2	7.0 3.6	7.7 3.9	7.3 3.3
5	6.4 3.0	7.1 3.2	6.8 2.9	8.1 5.2	7.8 4.8	9.2 6.6	7.7 3.7	7.5 3.8	21	6.7 3.0	7.5 3.3	6.6 3.2	7.5 5.3	7.5 4.7	7.1 3.6	7.8 3.9	7.1 3.5
6	6.5 3.0	6.6 3.1	6.6 2.8	7.9 4.7	7.7 4.6	9.5 6.5	7.6 3.5	7.0 3.5	22	6.6 2.7	6.9 3.5	6.3 3.1	7.4 5.1	7.6 4.6	7.2 3.6	7.4 3.7	7.1 3.6
7	6.5 3.0	6.3 2.6	6.5 2.8	7.9 4.8	7.5 4.4	9.2 6.6	7.4 3.6	6.8 3.5	23	6.7 2.7	6.7 3.0	6.2 3.0	7.3 5.0	7.6 4.8	6.8 3.3	7.3 3.7	7.1 3.6
8	6.5 2.8	6.1 2.4	6.5 2.8	7.9 5.0	7.4 4.1	8.8 6.0	7.2 3.6	6.7 3.4	24	6.6 2.9	6.2 3.0	6.5 3.3	7.9 5.1	7.6 4.8	6.6 3.2	7.2 3.8	7.1 3.6
9	6.7 2.9	6.3 2.2	6.2 2.9	7.9 4.8	7.1 3.6	8.0 5.4	7.2 3.8	6.8 3.5	25	6.5 2.8	5.9 2.7	6.5 3.7	7.9 5.7	7.5 4.7	6.4 3.2	7.4 4.0	7.1 3.8
10	6.8 3.0	6.3 2.4	6.5 3.2	7.7 4.6	7.0 3.6	7.4 5.0	6.7 3.3	6.8 3.7	26	6.3 2.9	6.0 2.8	7.3 4.2	7.2 5.1	7.3 4.5	6.2 3.0	7.6 4.1	7.2 3.6
11	6.5 3.0	6.1 2.6	6.2 3.0	7.5 4.4	7.2 3.8	7.2 4.8	6.7 3.8	6.8 3.7	27	5.9 2.9	5.9 2.8	6.8 3.9	7.3 5.2	7.5 4.8	6.2 3.2	7.5 4.2	7.4 3.5
12	6.4 2.8	5.9 2.6	6.5 3.1	7.9 4.8	7.0 3.7	7.3 4.6	6.9 3.5	7.0 3.7	28	5.8 2.7	5.9 2.7	6.8 3.8	7.5 5.0	7.3 4.4	6.5 3.5	7.5 4.3	7.2 3.1
13	6.4 2.7	6.1 2.7	6.6 3.2	7.6 4.4	6.6 3.3	7.4 4.8	6.7 3.8	6.8 3.3	29	5.7 2.7	6.1 3.0	7.1 4.1		7.1 4.5	6.8 3.7	7.7 4.2	7.5 3.3
14	6.3 3.3	6.0 2.8	6.6 2.9	7.7 4.5	6.5 3.5	7.4 4.5	6.8 3.7	7.1 3.3	30	5.9 2.8	6.2 3.1	7.3 3.6		7.6 4.5	7.1 3.9	8.0 4.2	7.5 3.2
15	6.1 3.0	6.6 3.1	6.6 2.8	7.6 4.4	6.6 3.3	7.2 4.6	7.0 3.7	7.2 3.2	31		6.3 3.0	7.3 3.5		7.5 4.5		8.2 4.2	
16	6.4 3.1	7.4 3.9	6.8 3.0	7.6 4.4	7.0 3.9	7.3 4.7	7.2 3.8	7.6 3.7									

Crest Stages	Date	Time	Stage

NR— No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 306

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SACRAMENTO RIVER AT CLARKSBURG

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr.	May	June		Nov.	Dec.	Jan	Feb	Mar	Apr.	May	June
1	7.5 6.2	7.6 6.0	10.2 9.2	16.9	20.8	20.2	14.3 13.7	14.7 14.0	17	9.7 8.6	9.4 7.1	11.1 10.4	19.6	13.5 13.2	17.9	14.8	11.9 10.7
2	7.5 6.2	7.6 6.0	10.3 9.2	17.0	20.1	21.4	14.1 13.4	14.2 13.4	18	9.2 8.2	10.8 9.5	10.9 10.2	19.8	13.2 12.8	17.8	14.9	11.8 10.7
3	7.7 6.2	7.5 5.9	10.2 9.0	17.6	19.6	22.4	13.6 13.0	13.6 12.7	19	8.8 7.5	11.4 10.0	10.6 9.8	21.0	12.6 12.1	17.4	15.2	11.7 10.7
4	7.8 6.2	8.1 5.8	10.6 9.3	18.2	18.5	22.6	13.4 12.8	13.1 12.5	20	8.7 7.2	11.5 10.6	10.2 9.4	21.6	12.2 11.7	16.9	15.4	11.5 10.4
5	7.9 6.2	8.4 6.1	10.4 9.6	18.1	18.1 17.8	22.5	13.4 12.8	12.8 11.8	21	8.3 6.9	11.3 10.3	9.8 9.0	21.7	12.1	16.8	15.6	11.1 9.9
6	7.9 6.2	8.0 6.2	10.0 9.2	18.2	17.7 17.5	22.4	13.3 12.8	12.0 11.2	22	8.6 6.7	10.6 9.8	9.3 8.6	21.0	14.3	16.8	15.9	10.5 9.4
7	7.8 6.0	7.7 5.8	9.5 8.6	18.6	17.4 17.0	22.6	13.5 13.1	11.4 10.6	23	8.5 6.8	10.9 9.8	9.1 8.2	20.1	17.1	16.7	16.1	10.0 8.8
8	7.9 6.2	7.5 5.6	9.2 8.2	19.1	16.9 16.6	22.1	13.6 13.2	11.2 10.1	24	8.4 6.7	10.9 10.2	9.3 8.3	19.7	19.4	16.7	16.6	10.0 8.2
9	8.1 6.0	7.6 5.6	9.0 8.0	19.2	16.4 16.0	21.9	13.5 13.2	10.7 9.8	25	8.2 6.7	10.4 9.9	9.9 8.4	20.8	20.3	16.6	17.3	9.5 7.7
10	8.1 6.0	7.6 5.6	9.2 8.1	19.3	15.7	21.8	13.5 13.1	10.7 9.8	26	7.9 6.6	10.0 9.4	11.0	22.2	20.1	16.3	17.5	9.4 7.5
11	7.8 6.1	7.4 5.6	9.3 8.1	19.2	15.0	21.1	13.5 13.4	10.6 9.8	27	7.6 6.4	9.3 8.7	13.0	22.5	19.8	16.0	17.2	9.3 7.0
12	7.6 5.8	7.2 5.5	10.4 9.0	19.4	14.2	19.5	13.7 13.6	10.8 9.8	28	7.5 6.2	9.0 8.1	14.3	21.7	19.1	15.6	17.0 16.7	8.9 6.5
13	7.8 5.7	7.4 5.6	10.9 10.1	19.8	13.8 12.9	18.6	14.2 14.0	10.6 9.7	29	7.4 6.1	8.9 7.9	15.1		17.9	15.1	16.8 15.9	9.0 6.5
14	7.8 6.3	7.4 5.6	11.0 10.1	19.8	13.0 12.5	18.4	14.7 14.5	11.0 10.2	30	7.4 6.0	9.2 8.1	15.9		18.6	14.9 14.1	15.9 15.2	8.9 6.2
15	8.6 6.9	8.0 5.7	11.2 10.4	19.7	12.9 12.5	18.1	14.9 14.7	11.4 10.5	31		10.0 9.0	16.7		17.5		15.4 14.4	
16	9.7 8.5	8.9 6.3	11.3 10.4	19.5	13.5 13.2	18.0	14.7	11.7 10.7									

Crest Stages:	Date	2- 4-58	2-10-58	2-13-58	2-21-58	2-27-58	3-25-58	4- 4-	4- 7-58
	Time	4:30 PM	10:45 AM	1:30 PM	7:30 AM	11:00 AM	8:30 AM	[illegible] PM	7:30 AM
	Stage	18.4	19.4	20.0	21.8	22.6	20.4	[illegible]	[illegible].8

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 307

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SACRAMENTO RIVER AT SNODGRASS SLOUGH

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb	Mar	Apr.	May	June
1	6.9 5.2	7.0 5.0	9.0 7.6	14.7 14.1	17.8	17.6 16.7	12.3 11.4	12.6 11.6	17	8.5 7.2	8.5 6.0	9.8 8.6	17.1 16.6	11.6 11.1	15.3 15.0	12.7 12.2	10.5 8.8
2	6.9 5.3	7.0 5.0	9.1 7.6	14.8 14.0	17.4 17.2	18.5 18.0	12.1 11.0	12.2 11.1	18	8.1 6.5	9.6 8.0	9.6 8.4	17.4 16.8	11.3 10.8	15.2 15.0	12.8 12.2	10.4 8.8
3	7.1 5.2	6.9 4.8	9.0 7.5	15.5 14.9	17.0 16.8	19.4 18.4	11.7 10.7	11.7 10.5	19	7.9 6.0	10.0 8.2	9.4 8.2	18.5 17.2	10.9 10.2	15.0 14.5	12.9 12.5	10.2 8.8
4	7.2 5.2	7.6 5.2	9.3 7.6	15.9 15.3	16.1 15.6	19.8 19.2	11.7 10.6	11.4 10.3	20	8.0 5.8	10.1 8.7	9.1 7.8	18.7 18.3	10.7 9.9	14.5 14.2	13.2 12.7	10.1 8.5
5	7.3 5.2	7.8 5.4	9.2 7.8	15.8 15.3	15.4 15.0	19.6 19.1	11.6 10.5	11.1 9.8	21	7.6 5.8	9.3 8.6	8.6 7.5	18.7 18.5	10.9 9.9	14.3 14.1	13.4 12.9	9.7 8.1
6	7.3 5.2	7.4 5.2	8.8 7.6	15.9 15.4	15.2 14.8	19.4 19.0	11.5 10.2	10.3 9.2	22	7.8 5.5	9.4 8.2	8.2 7.2	18.5 17.7	12.1	14.3 14.1	13.5 13.0	9.3 7.7
7	7.2 5.1	7.1 4.8	8.4 7.1	16.4 15.6	14.8 14.4	19.6 19.3	11.6 10.8	9.7 8.7	23	7.8 5.6	9.5 8.0	8.0 6.8	17.6 17.2	14.4	14.2 13.9	13.7 13.3	9.2 7.2
8	7.3 4.9	6.9 4.6	8.2 6.8	16.6 16.2	14.4 14.0	19.2 18.6	11.6 10.9	9.3 8.3	24	7.6 5.6	9.4 8.4	8.2 6.9	17.0 16.7	16.4	14.1 13.9	14.3 13.7	8.9 6.8
9	7.5 5.0	7.1 4.6	7.9 6.6	16.8 16.4	14.0 13.5	18.8 18.5	11.5 10.9	9.3 8.0	25	7.4 5.6	9.0 8.3	8.5 7.1	17.8	17.4 17.2	14.1 13.8	14.8 14.4	8.5 6.4
10	7.5 5.0	7.1 4.6	8.2 6.7	16.8 16.4	13.5 13.0	18.6 18.4	11.5 10.8	9.3 8.0	26	7.2 5.4	8.7 7.7	9.6	19.1	17.3 17.0	13.9 13.5	14.8 14.6	8.5 6.3
11	7.2 5.1	6.8 4.6	8.1 6.7	16.7 16.3	13.0 12.3	18.0	11.4 11.1	9.3 8.1	27	6.9 5.3	8.2 7.2	11.2	19.4	17.0 16.6	13.6 13.2	14.9 14.2	8.5 6.1
12	7.0 4.8	6.6 4.5	9.0 7.3	16.9 16.4	12.2 11.6	16.6	11.6 11.2	9.4 8.1	28	6.7 5.2	7.8 6.7	12.1	18.7	16.2	13.3 12.8	14.4 13.9	8.2 5.4
13	7.2 4.8	6.8 4.6	9.5 8.3	17.2 16.9	11.6 10.8	16.1 15.6	11.8 11.6	9.3 7.9	29	6.6 5.0	7.8 6.5	12.8		15.2	13.0 12.3	14.2 13.3	8.4 5.5
14	7.0 5.3	6.8 4.6	9.6 8.4	17.2 16.9	11.1 10.4	15.7 15.4	12.2 12.0	9.6 8.3	30	6.7 4.9	8.0 6.7	13.6		14.9 14.7	12.7 11.8	13.6 12.7	8.3 5.2
15	7.6 5.6	7.5 4.7	9.7 8.5	17.2 16.8	11.0 10.5	15.5 15.2	12.5 12.2	9.9 8.6	31		8.7 7.1	14.2		16.0 15.5		13.2 12.0	
16	8.4 7.0	8.4 5.4	9.8 8.6	17.0 16.8	11.6 11.1	15.4 15.1	12.7 12.2	10.2 8.8									

Crest Stages:		
	Date	2-27-58
	Time	11:20 AM
	Stage	19.5

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 308

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SACRAMENTO RIVER NEAR FREEPORT

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	4.8 3.8	4.8 3.6	8.2 7.6	16.1	20.2	19.8	12.9	13.1	17	7.6 7.1	6.9 4.7	9.2 8.8	18.9	12.2	17.2	13.8	10.0 9.3
2	4.8 3.8	4.8 3.6	8.1 7.5	16.2	19.6	21.0	12.4	12.6	18	7.0 6.4	8.8 6.8	8.9 8.5	19.1	11.7	17.0	13.9	10.0 9.4
3	5.0 3.8	4.7 3.5	8.1 7.2	16.8	19.0	22.0	12.0	11.9	19	6.3 5.4	9.7 8.6	8.5 8.0	20.4	11.0	16.6	14.3	10.0 9.4
4	5.0 3.8	5.2 3.4	8.5 7.6	17.4	17.7	22.3	11.8	11.7 11.3	20	6.1 5.0	9.7 9.3	8.1 7.6	21.2	10.4	16.2	14.6	9.7 9.1
5	5.1 3.8	5.5 3.7	8.4 7.9	17.3	17.1	22.2	11.8	11.3 10.5	21	5.7 4.7	9.3 8.8	7.5 7.1	21.3	10.7	16.0	14.8	9.2 8.3
6	5.1 3.8	5.1 3.8	7.8 7.3	17.4	16.8	22.1	11.9	10.4 9.9	22	5.9 4.6	8.7 8.2	7.0 6.6	20.4	13.4	16.0	15.1	8.6 7.8
7	5.0 3.6	4.9 3.5	7.2 6.7	17.9	16.4	22.4	12.2	9.8 9.3	23	5.8 4.6	9.2 8.3	6.9 6.2	19.5	16.4	15.9	15.2	7.8 7.0
8	5.0 3.5	4.7 3.3	6.9 6.3	18.4	15.9	21.8	12.3	9.5 8.7	24	5.7 4.5	9.2 8.9	7.0 6.3	19.0	19.0	15.9	15.8	7.7 6.4
9	5.2 3.5	4.8 3.2	6.6 6.0	18.6	15.4	21.6	12.2	9.0 8.4	25	5.6 4.5	8.6 8.4	7.1	20.3	19.8	15.8	16.6	7.2 5.7
10	5.3 3.6	4.7 3.3	6.9 6.0	18.6	14.8	21.5	12.2	8.9 8.3	26	5.3 4.3	8.1 7.6	9.2	21.9	19.6	15.5	16.8	6.9 5.4
11	4.9 3.6	4.5 3.2	7.0 6.2	18.6	14.0	20.7	12.4	8.8 8.3	27	5.0 4.2	7.3 6.7	11.8	22.1	19.2	15.1	16.5	6.7 4.8
12	4.8 3.3	4.3 3.0	8.4 7.3	18.8	13.1	18.8	12.7	8.9 8.3	28	4.9 4.0	6.8 6.2	13.4	21.2	18.4	14.7	16.1	6.2 4.3
13	5.0 3.3	4.5 3.1	9.0 8.5	19.2	12.2	18.0	13.2	8.8 8.3	29	4.7 3.8	6.7 6.0	14.2		17.1	14.2	15.5	6.2 4.2
14	5.0 3.8	4.5 3.1	9.2 8.1	19.1	11.6	17.6	13.7	9.2 8.9	30	4.6 3.6	7.2 6.2	15.1		16.9	13.5	14.6	6.0 3.8
15	6.4 4.9	5.2 3.2	9.4 8.9	19.0	11.6	17.4	13.9	9.6 9.2	31		8.0 7.0	16.0		18.1		13.9	
16	7.6 6.8	6.0 3.8	9.4 9.0	18.8	12.2	17.3	13.8	9.9 9.3									

Crest Stages.	Date	2-21-58	2-27-58	3-25-58	5-26-58
	Time	7:30 AM	11:00 AM	8:30 AM	11:30 AM
	Stage	21.4	22.2	19.9	16.9

NR— No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 309

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
OLD RIVER AT CLIFTON COURT FERRY

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	5.3 2.1	5.4 2.2	6.0 2.5	6.6 2.7	6.7 4.2	7.9 5.2	7.0 3.7	7.6 4.2	17	5.5 2.2	6.4 2.6	6.0 2.1	6.9 3.5	6.3 3.1	7.1 4.9	7.2 4.1	7.2 3.1
2	5.6 2.6	5.4 2.0	6.3 2.5	7.3 3.0	6.8 3.7	8.5 5.2	7.3 3.9	7.7 4.1	18	5.4 2.0	6.6 2.6	6.2 2.2	7.0 3.8	6.1 3.4	6.9 4.5	7.2 3.9	6.9 2.7
3	5.4 2.3	5.2 2.0	6.1 2.3	7.6 3.8	7.1 3.6	9.0 6.2	7.2 3.5	7.5 3.9	19	5.6 2.0	6.3 2.7	6.1 2.4	7.3 4.1	5.9 3.3	6.8 4.2	7.1 3.9	6.7 2.6
4	5.4 2.3	5.9 1.8	5.9 2.1	7.8 4.0	7.1 3.8	9.2 7.0	7.1 3.4	7.2 3.7	20	5.9 2.0	6.3 2.5	6.0 2.4	7.0 4.5	6.3 3.3	6.7 3.9	7.2 4.1	6.7 2.8
5	5.5 2.2	6.2 2.3	5.9 2.1	7.3 4.3	7.0 3.8	9.3 7.3	7.2 3.5	7.1 3.9	21	5.9 2.1	6.6 2.5	5.7 2.4	6.8 4.5	7.0 4.1	6.7 3.8	7.4 4.3	6.5 3.1
6	5.6 2.1	5.7 2.2	5.7 2.0	7.1 3.9	6.9 3.9	9.4 7.1	7.1 3.5	6.6 3.6	22	5.8 1.8	6.0 2.6	5.4 2.3	6.7 4.2	7.0 4.2	6.8 3.9	7.1 4.2	6.6 3.2
7	5.6 2.1	5.4 1.7	5.6 2.0	7.2 4.1	6.7 3.6	9.2 7.3	7.0 3.6	6.3 3.3	23	5.9 1.8	5.8 2.2	5.3 2.1	6.6 4.1	7.1 4.4	6.4 3.7	6.9 4.3	6.6 3.2
8	5.7 1.9	5.2 1.4	5.6 2.0	7.2 4.1	6.7 3.4	8.8 7.0	6.7 3.6	6.3 3.0	24	5.7 1.9	5.4 2.1	5.6 2.3	7.2 4.1	7.2 4.5	6.2 3.6	6.8 4.4	6.6 3.2
9	5.9 2.0	5.4 1.4	5.4 2.1	7.1 3.8	6.3 2.9	8.2 6.6	6.3 3.7	6.1 3.0	25	5.6 1.9	5.1 1.9	5.7 2.8	7.1 4.8	7.0 4.5	6.0 3.4	6.9 4.7	6.6 3.2
10	5.9 2.0	5.4 1.6	5.6 2.2	6.9 3.7	6.3 3.0	7.7 6.2	6.7 3.2	6.2 3.2	26	5.4 1.9	5.2 1.9	6.5 3.2	6.6 4.2	6.8 4.4	5.6 3.2	7.2 4.7	6.7 3.2
11	5.7 2.0	5.3 1.8	5.4 2.2	6.8 3.4	6.5 3.0	7.5 5.9	6.2 3.6	6.3 3.3	27	5.1 1.9	5.0 1.9	6.0 3.0	6.7 4.3	7.0 4.7	5.7 3.2	7.4 4.6	6.8 3.1
12	5.6 1.9	5.0 1.7	5.6 2.2	7.3 3.9	6.2 2.9	7.5 5.5	6.4 3.4	6.3 3.2	28	5.0 1.7	5.0 1.8	6.0 2.8	7.0 4.2	6.8 4.4	6.0 3.4	7.2 4.6	6.7 2.7
13	5.5 1.8	5.2 1.9	5.7 2.3	6.9 3.5	5.9 2.5	7.3 5.5	6.2 3.7	6.3 2.8	29	4.9 1.7	5.2 2.0	6.3 3.1		6.6 4.3	6.3 3.4	7.4 4.5	6.9 2.8
14	5.5 2.3	5.1 1.8	5.7 2.1	6.9 3.5	5.7 2.6	7.3 5.1	6.4 3.7	6.6 2.8	30	5.0 1.8	5.3 2.2	6.5 2.7		7.0 4.2	6.7 3.7	7.6 4.4	6.9 2.6
15	5.3 2.0	5.7 2.2	5.7 2.0	6.8 3.6	5.8 2.6	7.1 5.1	6.6 3.7	6.7 2.8	31		5.5 2.1	6.4 2.7		7.0 4.1		7.8 4.4	
16	5.5 2.1	6.5 2.9	5.9 2.0	6.7 3.4	6.3 2.6	7.1 5.1	6.8 3.9	7.0 3.1									

Crest Stages:	Date																
	Time																
	Stage																

NR— No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 310

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SACRAMENTO RIVER AT SACRAMENTO WEIR

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr	May	June		Nov	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1	10.4 10.0	10.3 9.8	15.3	25.2	29.6	29.1	21.4	21.3	17	14.7	12.4	NR NR	28.1	20.8	26.3	22.5	17.2
2	10.3 9.9	10.2 9.7	15.0	25.2	28.9	30.3	20.9	20.5	18	13.6	15.7	NR NR	28.3	20.2	26.2	22.7	17.2
3	10.3 9.9	10.1 9.6	15.1	26.0	28.3	31.3	20.4	19.8	19	12.3	17.4	NR NR	29.7	19.3	25.7	23.1	17.1
4	10.4 9.8	10.3 9.5	15.8	26.5	27.0	31.4	20.3	19.6	20	11.9 11.5	17.7	NR NR	30.6	19.4	25.3	23.4	16.8
5	10.4 9.9	10.5 9.7	15.7	26.4	26.4	31.4	20.2	18.9	21	11.6 11.2	16.9	NR NR	30.7	18.9	25.2	23.6	16.5 15.6
6	10.2 9.8	10.3 9.7	15.0	26.6	26.1	31.4	20.4	18.1	22	11.6 11.1	16.3	NR NR	29.8	22.5	25.1	24.0	15.6 14.9
7	10.1 9.5	10.1 9.6	14.2	27.1	25.6	31.6	20.8	17.4	23	11.5 11.0	16.9	NR NR	28.8	25.8	25.1	24.1	14.9 14.1
8	10.2 9.5	10.0 9.4	13.5	27.5	25.0	31.1	20.9	16.7	24	11.5 11.0	17.3	NR NR	28.4	28.4	25.2	24.7	14.2 13.4
9	10.3 9.6	10.1 9.5	13.2 13.0	27.8	24.5	30.9	20.8	16.3	25	11.3 11.0	16.6	NR NR	29.8	29.1	25.0	25.5	13.6 12.6
10	10.4 9.6	9.8 9.4	13.4 13.1	27.8	23.8	30.8	20.9	16.1	26	11.1 10.8	15.6	NR NR	31.3	28.8	24.6	25.6	13.0 12.0
11	10.0 9.5	9.7 9.2	13.9	27.7	22.9	29.9	21.2	16.1	27	10.9 10.7	14.5	NR NR	31.5	28.4	24.2	25.2	12.4 11.2
12	9.9 9.3	9.7 9.1	15.8	28.0	21.8	28.0	21.5	16.1	28	10.9 10.5	13.8	22.7	30.6	27.5	23.7	24.8	11.7 10.6
13	9.9 9.3	9.8 9.2	16.7	28.5	20.8	27.1	22.1	16.2	29	10.7 10.3	13.5	23.4		26.3	23.0	24.1	11.4 10.2
14	10.3 9.9	9.8 9.3	NR NR	28.4	20.0	26.8	22.6	16.9	30	10.3 10.0	14.3	24.3		26.1	22.2	23.0	10.9 9.8
15	12.6	10.3 9.2	NR NR	28.2	20.2	26.6	22.8	17.2	31		15.4	25.2		27.4		22.1	
16	14.7	10.9 9.7	NR NR	28.1	20.8	26.5	22.6	17.3									

Crest Stages:						
	Date	11-16-57	12-19-57	2-27-58	3-25-58	4- 7-58	5-26-58
	Time	7:00 PM	10:00 PM	4:00 AM	7:00 AM	6:30 PM	11:00 AM
	Stage	15.1	17.8	31.6	29.1	31.7	25.7

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 311

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
OLD RIVER AT MANSION HOUSE

In feet

Date	1957 Nov	1957 Dec	1958 Jan.	1958 Feb	1958 Mar.	1958 Apr.	1958 May	1958 June
1	3.2 0.2	3.3 0.3	4.0 0.5	4.6 1.0	4.6 1.6	5.6 2.9	4.7 1.4	5.4 1.4
2	3.5 0.6	3.3 0.1	4.2 0.3	5.2 1.0	4.6 1.5	6.1 2.9	5.0 1.4	5.4 1.3
3	3.3 0.3	3.2 -0.1	4.1 0.3	5.5 1.8	4.9 1.6	6.6 3.7	4.9 0.9	5.2 1.2
4	3.4 0.3	3.9 -0.1	3.9 0.2	5.8 2.1	4.9 1.6	NR NR	4.8 0.8	5.0 1.0
5	3.5 0.3	4.1 0.3	3.8 0.1	5.2 2.3	4.8 1.6	NR NR	4.9 1.0	4.8 1.2
6	3.6 0.2	3.6 0.2	3.7 0.0	4.9 1.9	4.8 1.8	NR NR	4.8 0.9	4.4 0.9
7	3.6 0.1	3.4 -0.3	3.6 -0.1	5.0 2.0	4.6 1.5	NR NR	4.7 1.0	4.1 0.8
8	3.6 0.0	3.2 -0.5	3.5 0.0	5.1 2.1	4.5 1.3	NR NR	4.4 0.9	3.9 0.6
9	3.8 0.0	3.3 -0.6	3.3 0.1	4.9 1.9	4.2 0.8	NR NR	4.1 1.1	3.9 0.7
10	3.9 0.1	3.4 -0.4	3.6 0.3	4.8 1.7	4.1 0.8	NR NR	4.4 0.6	4.0 0.9
11	3.6 0.0	3.2 -0.2	3.3 0.2	4.6 1.5	4.3 0.9	NR NR	4.0 1.0	4.1 1.0
12	3.4 -0.1	3.0 -0.3	3.6 0.2	5.1 1.9	4.1 0.8	NR NR	4.2 0.8	4.2 0.9
13	3.5 -0.2	3.1 -0.1	3.7 0.3	4.7 1.5	3.8 0.4	NR NR	4.0 1.1	4.1 0.5
14	3.4 0.3	3.1 -0.2	3.7 0.1	4.7 1.6	3.6 0.6	NR NR	4.2 1.1	4.4 0.6
15	3.2 0.1	3.6 0.2	3.6 0.0	4.7 1.4	3.7 0.5	NR NR	4.3 1.0	4.5 0.5
16	3.4 0.2	4.5 1.0	3.8 0.1	4.6 1.4	4.1 1.0	4.7 2.2	4.6 1.2	4.8 0.9
17	3.4 0.3	4.3 0.7	3.9 0.1	4.8 1.5	4.1 1.0	4.7 2.0	5.0 1.4	5.0 0.9
18	3.4 0.1	4.6 0.7	4.1 0.1	5.0 1.8	3.8 1.2	4.5 1.5	5.0 1.2	4.8 0.7
19	3.6 0.1	4.3 0.7	4.1 0.3	5.1 2.1	3.7 1.0	4.5 1.3	4.9 1.2	4.6 0.6
20	3.8 0.1	4.3 0.5	4.0 0.4	4.8 2.5	4.1 1.0	4.3 1.1	5.0 1.4	4.5 0.6
21	3.8 0.1	4.6 0.4	3.7 0.4	4.6 2.4	4.7 1.9	4.4 1.0	5.1 1.4	4.3 0.8
22	3.7 -0.2	4.0 0.6	3.3 0.3	4.5 2.2	4.8 1.9	4.5 1.0	4.8 1.2	4.3 0.8
23	3.8 -0.2	3.7 0.2	3.3 0.1	4.4 2.1	4.8 2.1	4.0 0.7	4.6 1.2	4.4 0.8
24	3.7 0.0	3.3 0.1	3.5 0.3	5.0 2.1	4.9 2.1	3.8 0.6	4.5 1.3	4.4 0.8
25	3.6 -0.1	3.3 -0.1	3.6 0.8	5.0 2.7	4.7 2.0	3.7 0.5	4.8 1.6	4.3 0.9
26	3.4 0.0	3.1 -0.1	4.4 1.2	4.4 2.2	4.6 1.9	3.3 0.4	4.8 1.6	4.5 0.9
27	3.0 -0.1	3.0 -0.1	3.9 1.0	4.5 2.3	4.7 2.1	3.4 0.5	4.9 1.6	4.7 0.8
28	2.9 -0.2	3.0 -0.2	3.8 0.9	4.8 2.1	4.5 1.8	3.8 0.8	4.9 1.8	4.5 0.4
29	2.8 -0.2	3.2 0.1	4.2 1.2		4.3 1.8	4.0 0.9	5.1 1.7	4.7 0.6
30	3.0 -0.1	3.3 0.2	4.4 0.7		4.8 1.7	4.4 1.2	5.3 1.6	4.7 0.4
31		3.4 0.1	4.4 0.6		4.7 1.8		5.6 1.7	

Crest Stages:								
Date								
Time								
Stage								

NR — No Record

NOTE: Single daily values indicate daily mean stage only

TABLE 312

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
GEORGIANA SLOUGH AT MOKELUMNE RIVER

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar.	Apr	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	NR NR	3.3 0.4	4.0 0.5	4.6 1.2	4.5 1.9	NR NR	4.5 1.3	5.1 1.3	17	3.5 0.4	4.4 0.9	4.0 0.2	4.9 1.8	NR NR	4.4 1.8	4.7 1.2	4.9 0.9
2	NR NR	3.4 0.2	4.2 0.4	5.4 1.9	4.6 1.8	NR NR	4.8 1.3	5.1 1.2	18	3.5 0.2	4.6 0.8	4.1 0.4	5.3 2.1	NR NR	4.2 1.4	4.7 1.0	4.7 0.8
3	NR NR	3.2 0.0	4.1 0.3	5.7 1.9	4.9 1.8	NR NR	4.7 0.9	5.0 1.0	19	3.7 0.2	4.4 0.6	4.1 0.4	5.2 2.4	NR NR	4.1 1.1	4.6 1.0	4.6 0.7
4	NR NR	3.9 0.4	4.0 0.3	5.9 2.3	4.8 NR	NR 4.7	4.6 0.8	4.7 1.0	20	3.9 0.2	4.4 0.6	4.0 0.5	4.9 2.8	NR NR	4.0 0.9	4.7 1.1	4.4 0.6
5	NR NR	4.2 0.4	3.9 0.1	5.3 2.5	NR NR	6.8 4.4	4.8 0.9	4.6 1.0	21	3.8 0.2	4.6 0.6	3.7 0.4	4.6 2.7	NR NR	4.0 0.9	4.8 1.1	4.2 0.8
6	3.6 0.3	3.7 -0.2	3.8 0.0	5.0 2.1	NR NR	6.9 4.2	4.6 0.8	4.1 0.8	22	3.8 -0.1	4.0 0.8	3.4 0.3	4.5 2.5	NR NR	4.2 0.9	4.5 0.9	4.1 0.8
7	3.6 0.3	3.4 -0.2	3.6 0.0	5.1 2.2	NR NR	6.6 4.1	4.4 0.8	3.9 0.7	23	3.9 -0.1	3.8 0.3	3.3 0.2	4.4 2.3	NR NR	3.7 0.6	4.3 0.9	4.2 0.8
8	3.7 0.0	3.2 -0.4	3.6 0.0	5.2 2.3	NR NR	6.0 3.4	4.2 0.8	3.7 0.6	24	3.8 0.1	3.4 0.2	3.6 0.6	5.1 2.4	NR NR	3.5 0.5	4.2 1.0	4.1 0.8
9	3.9 0.1	3.4 -0.6	3.4 0.1	5.0 2.1	NR NR	5.1 2.8	4.2 1.0	3.8 0.7	25	3.6 0.0	3.0 0.0	3.6 0.9	5.0 3.0	NR NR	3.3 0.4	4.4 1.2	4.3 0.8
10	3.9 0.2	3.5 -0.3	3.6 0.5	4.8 1.9	NR NR	4.5 2.3	4.2 0.5	3.8 0.9	26	3.4 0.1	3.2 0.0	4.5 1.5	4.4 2.5	NR NR	3.2 0.3	4.4 1.3	4.3 0.9
11	3.7 0.2	3.3 -0.2	3.4 0.3	4.7 1.7	NR NR	4.4 2.1	3.8 1.0	3.9 1.0	27	3.0 0.1	3.0 0.0	3.9 1.2	4.5 2.6	NR NR	3.2 0.4	4.6 1.4	4.5 0.7
12	3.5 0.0	3.0 -0.2	3.6 0.3	5.2 2.2	NR NR	4.4 1.9	3.9 0.8	4.0 0.9	28	2.9 -0.1	3.0 -0.1	3.9 1.0	4.5 2.3	NR NR	3.5 0.8	4.5 1.6	4.3 0.3
13	3.6 0.0	3.2 -0.1	3.7 0.4	4.8 1.8	NR NR	4.4 2.1	3.7 1.0	3.9 0.5	29	2.8 -0.1	3.2 0.2	4.3 1.3		NR NR	3.8 0.9	4.8 1.5	4.6 0.6
14	3.4 0.5	3.1 0.0	3.7 0.2	4.9 1.9	NR NR	4.5 1.8	3.9 1.0	4.2 0.6	30	3.0 0.0	3.3 0.3	4.4 0.9		NR NR	4.1 1.2	5.0 1.5	4.6 0.4
15	3.2 0.2	3.8 0.2	3.7 0.1	4.8 1.8	NR NR	4.2 1.9	4.0 0.9	4.3 0.5	31		3.4 0.2	4.4 0.8		NR NR		5.3 1.5	
16	3.4 0.4	4.6 1.1	3.9 0.2	4.7 1.8	NR NR	4.3 2.0	4.3 1.1	4.6 0.9									

Crest Stages:	Date																
	Time																
	Stage																

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 313

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
OLD RIVER AT HOLLAND TRACT

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	6.4 3.4	6.5 3.5	7.2 3.7	7.7 4.2	NR NR	8.6 5.9	7.7 4.4	8.3 4.3	17	6.6 3.5	7.6 4.0	7.1 3.3	7.9 4.7	7.2 4.2	7.6 4.8	7.9 4.3	8.1 4.0
2	6.6 3.8	6.5 3.3	7.4 3.6	8.4 4.9	NR NR	9.1 6.0	8.0 4.3	8.3 4.2	18	6.6 3.3	7.8 3.9	7.3 3.5	8.1 5.1	6.9 4.0	7.4 4.3	7.9 4.1	7.9 3.9
3	6.5 3.6	6.4 3.1	7.2 3.3	8.7 4.9	NR NR	9.6 7.1	7.8 3.9	8.2 4.1	19	6.8 3.3	7.5 3.7	7.2 3.5	8.2 5.3	6.7 4.1	7.4 4.1	7.8 4.0	7.7 3.8
4	6.5 3.6	7.0 3.5	7.1 3.3	8.9 5.2	8.0 4.8	9.7 7.1	7.8 3.8	7.9 3.9	20	7.0 3.3	7.6 3.7	7.1 3.6	7.9 5.7	7.3 4.5	7.2 3.9	7.9 4.2	7.6 3.7
5	6.7 3.4	7.3 3.4	7.0 3.2	8.3 5.4	8.0 4.8	9.6 6.9	7.9 4.0	7.8 4.1	21	7.0 3.3	7.8 3.7	6.8 3.5	7.6 5.6	7.8 5.0	7.3 3.8	8.0 4.2	7.4 3.8
6	6.7 3.4	6.8 3.4	6.9 3.1	8.1 5.0	7.9 5.0	9.9 6.8	7.8 3.8	7.3 3.8	22	6.9 3.0	7.2 3.9	6.5 3.4	7.5 5.4	7.8 4.9	7.4 3.9	7.7 4.0	7.3 3.9
7	6.7 3.4	6.6 2.9	6.7 3.1	8.2 5.1	7.7 4.7	9.6 6.8	7.6 3.9	7.1 3.8	23	7.0 3.0	7.0 3.4	6.5 3.3	7.4 5.3	7.8 5.1	7.0 3.6	7.5 4.0	7.4 3.9
8	6.8 3.2	6.4 2.7	6.7 3.1	8.2 5.2	7.6 4.4	9.0 6.2	7.4 3.8	6.9 3.7	24	6.9 3.2	6.6 3.3	6.7 3.6	NR NR	7.8 5.1	6.8 3.5	7.4 4.0	7.3 3.9
9	7.0 3.2	6.6 2.5	6.5 3.2	8.1 5.1	7.3 3.9	8.2 5.6	7.4 4.1	6.9 3.8	25	6.7 3.1	6.2 3.1	6.8 4.0	NR NR	7.7 4.9	6.6 3.4	7.6 4.3	7.3 4.0
10	7.0 3.3	6.6 2.8	6.7 3.5	7.9 4.9	7.2 3.9	7.6 5.2	7.0 3.6	7.0 4.1	26	6.5 3.2	6.4 3.2	7.6 4.5	NR NR	7.5 4.8	6.3 3.3	7.6 4.4	7.5 4.0
11	6.8 3.3	6.4 2.9	6.5 3.4	7.7 4.7	7.4 4.0	7.4 5.1	7.0 4.1	7.1 4.1	27	6.2 3.2	6.2 3.2	7.0 4.2	NR NR	7.7 5.0	6.4 3.4	7.8 4.4	7.7 3.8
12	6.6 3.1	6.2 2.9	6.8 3.4	8.2 5.1	7.2 4.0	7.6 4.9	7.1 3.8	7.2 4.0	28	6.1 3.1	6.3 3.1	7.0 4.1	NR NR	7.5 4.7	6.7 3.8	7.8 4.6	7.5 3.4
13	6.7 3.0	6.3 3.0	6.8 3.4	7.8 4.7	6.9 3.6	7.6 5.1	6.9 4.1	7.1 3.6	29	6.0 3.0	6.4 3.4	7.4 4.4		7.3 4.8	7.0 4.0	7.9 4.5	7.8 3.7
14	6.5 3.6	6.3 3.1	6.8 3.2	7.9 4.8	6.8 3.8	7.7 4.8	7.1 4.0	7.4 3.7	30	6.1 3.1	6.5 3.5	7.5 3.9		7.8 4.8	7.3 4.2	8.2 4.5	7.8 3.5
15	6.4 3.3	6.9 3.4	6.8 3.1	7.8 4.7	6.8 3.6	7.4 4.9	7.2 4.0	7.5 3.6	31		6.7 3.4	7.5 3.8		7.7 4.8		8.4 4.5	
16	6.6 3.4	7.7 4.2	7.0 3.2	7.7 4.7	7.2 4.2	7.6 5.0	7.5 4.1	7.8 4.0									

Crest Stages:	Date						
	Time						
	Stage						

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 314

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
OLD RIVER NEAR ROCK SLOUGH

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	6.1 3.2	6.2 3.2	6.9 3.4	7.4 3.9	7.4 4.6	8.4 5.6	7.4 4.1	8.0 4.1	17	6.4 3.3	7.3 3.7	6.8 3.0	7.7 4.8	6.9 4.0	7.4 4.5	7.6 4.1	7.8 3.8
2	6.4 3.5	6.2 3.0	7.1 3.2	8.2 4.7	7.5 4.5	8.9 5.8	7.8 4.1	8.1 4.0	18	6.3 3.0	7.5 3.7	7.0 3.0	7.9 4.8	6.6 3.8	7.2 4.1	7.6 3.8	7.6 3.6
3	6.3 3.3	6.1 2.8	7.0 3.1	8.4 4.7	7.8 4.5	9.4 6.9	7.6 3.7	7.9 3.8	19	6.5 3.0	7.3 3.7	7.0 3.2	8.0 5.0	6.5 3.8	7.1 3.9	7.6 3.8	7.4 3.5
4	6.3 3.3	6.8 3.3	6.8 3.1	8.7 5.0	7.7 4.5	9.5 6.9	7.6 3.6	7.7 3.7	20	6.8 3.0	7.2 3.4	6.9 3.3	7.7 5.5	7.0 3.8	7.0 3.7	7.6 3.9	7.3 3.4
5	6.4 3.1	7.1 3.2	6.8 3.0	8.1 5.2	7.7 4.5	9.5 6.7	7.7 3.7	7.5 3.8	21	6.7 3.0	7.5 3.4	6.6 3.2	7.4 5.3	7.5 4.7	7.1 3.6	7.7 3.9	7.1 3.6
6	6.5 3.1	6.6 3.2	6.7 2.9	7.8 4.8	7.7 4.8	9.7 6.6	7.6 3.6	7.1 3.6	22	6.6 2.8	6.9 3.5	6.2 3.2	7.3 5.1	7.6 4.7	7.2 3.6	7.5 3.7	7.0 3.6
7	6.5 3.1	6.3 2.7	6.5 2.8	7.9 4.9	7.5 4.5	9.4 6.6	7.4 3.6	6.8 3.5	23	6.8 2.8	6.7 3.1	6.2 3.0	7.3 5.0	7.6 4.8	6.7 3.3	7.3 3.7	7.1 3.6
8	6.6 2.9	6.1 2.4	6.5 2.8	8.0 5.0	7.4 4.2	8.8 6.1	7.2 3.6	6.6 3.4	24	6.6 2.9	6.2 3.0	6.4 3.3	7.9 5.1	7.6 4.8	6.5 3.2	7.2 3.8	7.1 3.6
9	6.7 2.9	6.3 2.3	6.2 3.0	7.8 4.8	7.1 3.7	8.0 5.4	7.1 3.8	6.6 3.6	25	6.5 2.9	5.9 2.8	6.5 3.7	7.8 5.7	7.5 4.7	6.4 3.2	7.4 4.1	7.1 3.7
10	6.8 3.0	6.3 2.5	6.5 3.3	7.7 4.6	7.0 3.7	7.4 5.0	7.1 3.3	6.7 3.8	26	6.3 2.9	6.0 2.8	7.3 4.2	7.2 5.2	7.3 4.6	6.1 3.1	7.4 4.1	7.2 3.7
11	6.5 3.0	6.1 2.7	6.2 3.1	7.5 4.4	7.2 3.8	7.2 4.9	6.7 3.8	6.8 3.8	27	6.0 2.9	5.9 2.8	6.8 3.9	7.3 5.3	7.5 4.8	6.2 3.2	7.6 4.2	NR NR
12	6.4 2.9	5.9 2.6	6.5 3.1	8.0 4.8	6.9 3.7	7.4 4.7	6.9 3.6	6.9 3.7	28	5.8 2.8	5.9 2.8	6.7 3.8	7.5 5.0	7.3 4.5	6.4 3.5	7.5 4.4	NR NR
13	6.4 2.8	6.0 2.8	6.6 3.2	7.6 4.4	6.6 3.3	7.4 4.9	6.7 3.9	6.8 3.3	29	5.7 2.8	6.1 3.0	7.1 4.1		7.1 4.5	6.7 3.7	7.7 4.2	NR NR
14	6.3 3.3	6.0 2.8	6.6 3.0	7.7 4.5	6.5 3.5	7.5 4.5	6.8 3.8	7.1 3.4	30	5.9 2.9	6.2 3.1	7.3 3.6		7.6 4.5	7.1 4.0	7.9 4.2	NR NR
15	6.1 3.0	6.6 3.1	6.6 2.8	7.6 4.4	6.6 3.4	7.2 4.6	7.0 3.7	7.2 3.3	31		6.3 3.0	7.2 3.6		7.5 4.6		8.2 4.3	
16	6.3 3.2	7.4 3.9	6.8 3.0	7.5 4.4	6.9 3.9	7.3 4.8	7.2 3.9	7.6 3.7									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 315

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
YOLO BYPASS AT LISBON

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	6.6 4.4	6.7 4.3	7.9 6.0	14.4	19.3	14.8	9.3 9.0	9.0 7.6	17	7.2 5.5	8.0 5.4	8.4 7.2	18.1	10.7	13.6	8.5 6.2	8.7 5.8
2	6.5 4.5	6.7 4.3	8.2 6.0	14.4	18.3	16.0	9.1 8.0	8.9 7.3	18	7.1 5.1	8.3 6.2	8.3 7.0	18.2	10.5	13.2	8.4 6.2	8.5 5.5
3	6.8 4.5	6.6 4.1	8.1 6.0	14.8	17.5	17.8	8.5 6.6	8.8 6.9	19	7.2 5.0	8.5 6.2	8.3 6.8	18.5	10.2	12.9	8.4 6.2	8.3 5.0
4	6.9 4.5	7.2 4.4	8.2 6.0	15.7	16.8	18.5	8.3 6.1	8.6 6.5	20	7.4 4.9	8.6 6.9	8.1 6.6	19.0	9.9	12.6	8.5 6.4	8.0 4.6
5	7.0 4.5	7.5 4.4	8.2 6.3	16.1	16.0	18.2	8.3 5.9	8.5 6.4	21	6.9 4.7	8.7 6.9	7.8 6.2	19.6	10.1	12.2	8.6 6.6	7.7 4.5
6	7.0 4.5	7.1 4.6	7.9 6.2	16.5	15.4	17.8	8.2 5.5	8.1 6.0	22	7.3 4.4	8.2 6.7	7.4 5.9	20.1	11.1	11.9	8.3 6.5	7.5 4.3
7	7.0 4.4	6.9 4.2	7.7 5.8	16.9	14.6	17.7	8.0 5.4	7.8 5.8	23	7.3 4.6	8.1 6.3	7.3 5.6	19.6	12.7	11.6	8.2 6.6	7.5 4.2
8	7.0 4.2	6.6 3.9	7.6 5.6	17.3	13.8	17.4	7.9 5.2	7.6 5.4	24	7.2 4.7	7.8 6.6	7.6 5.8	18.9	14.6	11.4	8.3 6.9	7.4 4.0
9	7.2 4.3	6.8 3.8	7.4 5.4	17.3	13.1	17.1	7.8 5.3	7.6 5.0	25	7.0 4.6	7.4 6.3	7.5 5.9	19.3	15.7	11.3	8.6 7.4	7.4 3.9
10	7.3 4.4	6.9 3.9	7.6 5.6	17.4	12.6	16.8	7.8 4.8	7.6 4.9	26	6.8 4.6	7.5 6.0	8.6 6.7	20.5	15.8	11.1	8.7 7.6	7.5 4.1
11	7.0 4.4	6.7 4.0	7.4 5.4	17.4	12.1	16.5	7.3 5.2	7.6 5.0	27	6.3 4.4	7.1 5.6	8.8	21.1	15.3	10.7	8.7 7.7	7.7 3.9
12	6.8 4.2	6.4 3.9	8.0 5.8	17.4	11.8	16.0	7.5 4.8	7.9 5.2	28	6.4 4.3	7.0 5.2	9.9	20.4	14.8	10.2	8.7 7.7	7.4 3.3
13	7.0 4.2	6.6 4.0	8.2 6.8	17.8	11.5	15.3	7.2 5.2	7.6 4.8	29	6.3 4.1	7.0 5.1	11.1		14.1	9.7	8.8 7.7	7.8 3.8
14	6.8 4.7	6.6 4.0	8.3 6.9	18.1	11.3	14.7	7.7 5.8	7.9 4.8	30	6.4 4.0	7.1 5.2	11.9		13.7	9.6 9.1	9.0 7.8	7.8 3.7
15	6.7 4.5	7.2 4.1	8.3 7.2	18.1	11.1	14.2	7.9 5.8	8.2 5.3	31		7.4 5.6	13.2		14.0		9.1 7.8	
16	7.1 5.2	8.0 5.0	8.4 7.2	18.1	11.0	13.9	8.2 6.0	8.5 5.8									

Crest Stages:	Date	2-22-58	2-27-58	3-26-58	4- 4-58
	Time	9:30 AM	8:20 AM	12:30 AM	12:15 PM
	Stage	20.2	21.1	15.9	18.6

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 316

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb.	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	5.9 3.1	6.0 3.2	6.7 3.3	7.3 3.9	7.2 4.5	8.2 5.4	7.2 3.9	7.8 3.8	17	6.2 3.2	7.2 3.6	6.7 3.0	7.6 4.7	6.8 3.8	7.1 4.4	7.4 3.9	7.6 3.6
2	6.1 3.3	6.0 2.9	6.9 3.1	8.1 4.6	7.3 4.4	8.8 5.7	7.5 3.9	7.8 3.7	18	6.2 2.9	7.3 3.5	6.8 3.1	7.9 4.9	6.4 3.6	6.8 3.9	7.4 3.7	7.4 3.5
3	6.1 3.2	5.9 2.8	6.8 4.2	8.4 4.8	7.6 4.4	9.1 6.6	7.4 3.5	7.7 3.6	19	6.4 2.9	7.1 3.2	6.8 3.2	7.9 4.9	6.3 3.7	6.8 3.7	7.3 3.6	7.3 3.3
4	6.1 3.2	6.6 3.2	6.7 2.9	8.6 4.8	7.6 4.4	9.2 6.5	7.3 3.4	7.4 3.5	20	6.6 2.9	7.1 3.2	6.7 3.2	7.5 5.4	7.0 4.2	6.7 3.5	7.4 3.7	7.1 3.2
5	6.3 3.1	6.9 3.1	6.7 2.8	8.0 5.1	7.6 4.7	9.1 6.4	7.4 3.5	7.3 3.6	21	6.5 2.7	7.4 3.2	6.4 3.1	7.3 5.2	7.3 4.6	6.8 3.4	7.5 3.7	6.9 3.4
6	6.3 3.0	6.4 2.6	6.5 2.8	NR 4.7	7.6 4.4	9.4 6.2	7.3 3.4	6.8 3.4	22	6.5 2.7	6.7 3.4	6.1 3.1	7.2 5.0	7.3 4.5	6.9 3.4	7.2 3.5	6.8 3.4
7	6.3 2.8	6.2 2.6	6.3 2.7	NR NR	7.3 4.2	9.0 6.2	7.2 3.4	6.6 3.4	23	6.6 2.7	6.5 3.0	6.1 3.0	7.1 5.0	7.4 4.7	6.4 3.1	7.0 3.5	6.8 3.5
8	6.4 2.8	5.9 2.4	6.3 2.8	NR NR	7.2 4.0	8.5 5.7	6.9 3.4	6.4 3.3	24	6.5 2.8	6.1 2.9	6.3 3.3	7.8 5.1	7.4 4.7	6.2 3.1	6.9 3.6	6.8 3.5
9	6.6 2.9	6.1 2.4	6.1 2.8	NR NR	6.9 3.5	7.6 5.1	6.9 3.6	6.6 3.5	25	6.3 2.8	5.7 2.7	6.4 3.7	7.7 5.6	7.2 4.5	6.1 3.0	7.1 3.8	7.0 3.6
10	6.7 2.9	6.2 2.4	6.3 3.2	NR NR	6.8 3.5	7.1 4.7	6.5 3.2	6.6 3.7	26	6.1 2.8	5.9 2.8	7.2 4.2	7.0 5.1	7.0 4.4	5.8 2.9	7.1 3.9	7.2 3.6
11	6.4 2.9	5.9 2.6	6.1 3.0	NR NR	7.0 3.7	6.8 4.6	6.7 3.7	6.6 3.7	27	5.8 2.8	5.7 2.8	6.6 3.9	7.1 5.2	7.3 4.7	5.8 3.0	7.2 4.0	7.2 3.4
12	6.2 2.8	5.7 2.5	6.4 3.0	NR NR	6.8 3.6	7.0 4.4	6.7 3.4	6.8 3.6	28	5.7 2.7	5.8 2.7	6.6 3.7	7.2 4.9	7.0 4.3	6.2 3.4	7.2 4.2	7.0 3.0
13	6.3 2.7	5.8 2.7	6.4 3.1	NR NR	6.5 3.2	7.0 4.6	6.4 3.7	6.6 3.2	29	5.6 2.7	5.9 3.0	7.1 4.1		6.9 4.4	6.5 3.5	7.4 4.0	7.4 3.2
14	6.1 3.2	5.8 2.7	6.4 2.9	7.6 4.4	6.4 3.4	7.1 4.3	6.6 3.7	6.9 3.3	30	5.7 2.8	6.0 3.1	7.2 3.6		7.3 4.3	6.8 3.8	7.7 4.0	7.3 3.1
15	6.0 2.9	6.5 3.0	6.4 2.8	7.5 4.4	6.4 3.2	6.9 4.4	6.7 3.6	7.0 3.2	31		6.2 3.0	7.1 3.5		7.3 4.5		8.0 4.1	
16	6.2 3.1	7.3 3.9	6.7 2.9	7.4 4.4	6.8 3.8	7.0 4.5	7.0 3.7	7.4 3.6									

Crest Stages:	Date																	
	Time																	
	Stage																	

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 317

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SACRAMENTO RIVER AT ISLETON

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb	Mar	Apr	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	6.1 2.7	6.3 2.8	7.1 3.1	NR NR	9.2E 7.6	NR NR	NR NR	8.4 4.3	17	6.7 3.1	7.5 3.3	7.1 2.9	9.1 6.8	NR NR	NR NR	8.1 4.5	8.2 3.6
2	6.2 2.9	6.3 2.5	7.3 2.9	NR NR	9.0E 7.1	NR NR	8.2 4.3	8.3 4.1	18	6.7 2.7	7.7 3.4	7.3 3.0	9.3 7.2E	NR NR	NR NR	7.9 4.3	8.0 3.5
3	6.4 2.8	6.2 2.3	7.2 2.8	NR NR	9.0E 6.8	NR NR	8.1 3.9	8.1 3.9	19	6.9 2.5	7.6 3.3	7.3 3.0	9.5 7.7	NR NR	NR NR	7.9 4.3	7.8 3.4
4	6.4 2.8	6.9 2.6	7.1 2.8	NR NR	8.8 6.3	NR NR	8.0 3.8	7.9 3.8	20	7.1 2.5	7.6 3.2	7.1 2.9	9.4 7.8	NR NR	NR NR	8.0 4.5	7.6 3.3
5	6.6 2.6	7.2 2.6	7.1 2.6	NR NR	8.7 6.2	10.7 8.6E	8.1 3.9	7.7 3.7	21	6.8 2.1	7.9 3.2	6.8 2.9	9.3 7.8	NR NR	NR NR	8.0 4.5	7.3 3.3
6	6.6 2.5	6.8 2.1	6.9 2.6	NR NR	8.6 5.9	9.6 8.6	7.8 3.8	7.1 3.5	22	7.0 2.2	7.2 3.3	6.4 2.8	9.3 7.8	NR NR	NR NR	7.7 4.4	7.2 3.2
7	6.6 2.3	6.5 3.1	6.7 2.5	9.0 6.0	8.4 5.6	9.7 8.6	7.6 3.9	6.9 3.5	23	7.0 2.2	7.0 2.9	6.3 2.7	9.1E 7.7	NR NR	NR NR	7.5 4.5	7.2 3.3
8	6.7 2.4	6.3 1.8	6.7 2.5	9.2 6.3	8.3 5.4	10.0 8.2	7.4 3.9	6.7 3.5	24	6.8 2.4	6.5 2.9	6.6 3.1	9.3 7.6	NR NR	NR NR	7.5 4.7	7.2 3.2
9	6.9 2.4	6.4 1.7	6.4 2.5	9.0 6.3	7.9 4.9	9.3 7.6	7.3 4.1	6.9 3.6	25	6.6 2.3	6.1 2.8	6.6 3.4	9.1 8.1	NR NR	NR NR	7.8 5.0	7.4 3.4
10	6.9 2.4	6.4 1.9	6.7 2.9	8.9 6.4	7.7 4.7	8.8 7.4	7.0 3.8	6.9 3.9	26	6.3 2.4	6.2 2.8	7.5 4.1	9.2 8.3	NR NR	NR NR	8.0 5.1	7.6 3.2
11	6.6 2.4	6.2 2.1	6.5 2.7	8.7 6.3	7.7 4.7	8.5 7.0	7.1 4.2	7.1 3.7	27	6.0 2.4	6.0 2.7	NR NR	9.7 8.6E	NR NR	NR NR	8.0 5.1	7.6 3.0
12	6.4 2.3	5.9 2.1	6.8 2.9	9.0 6.6	NR NR	8.0 6.4	6.9 4.1	6.9 3.6	28	5.9 2.4	6.0 2.7	NR NR	9.7 8.2	NR NR	NR NR	8.0 5.1	7.4 2.4
13	6.4 2.3	6.2 2.2	6.9 3.1	8.8 6.5	NR NR	8.0 6.2	6.9 4.4	6.9 3.3	29	5.8 2.4	6.1 2.9	NR NR		NR NR	NR NR	8.2 5.0	7.7 2.7
14	6.3 2.8	6.2 2.3	6.9 3.0	8.9 6.6	NR NR	7.9 6.0E	7.1 4.3	7.2 3.3	30	5.9 2.5	6.2 3.0	NR NR		NR NR	NR NR	8.4 4.7	7.7 2.4
15	6.3 2.6	6.8 2.6	6.9 2.9	9.0 6.6	NR NR	NR NR	7.3 4.3	7.5 3.3	31		6.4 2.9	NR NR		NR NR		8.6 4.6	
16	6.6 3.0	7.7 3.4	7.1 2.9	8.9 6.5	NR NR	NR NR	7.6 4.4	7.8 3.6									

Crest Stages.	Date					
	Time					
	Stage					

NR — No Record E - Estimated

NOTE : Single daily values indicate daily mean stage only

TABLE 318

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr	May	June		Nov	Dec.	Jan	Feb.	Mar	Apr.	May	June
1	6.3 3.3	6.4 3.3	7.1 3.4	7.6 4.0	7.5 4.6	8.6 5.7	7.6 4.2	8.2 4.1	17	6.5 3.3	7.4 3.7	7.0 3.0	7.9 4.5	7.1 4.0	7.6 4.6	7.8 4.1	8.0 3.7
2	6.6 3.6	6.4 3.1	7.2 3.3	8.3 4.8	7.6 4.5	9.1 5.9	7.9 4.2	8.3 4.0	18	6.5 3.1	7.6 3.7	7.2 3.1	8.1 4.8	6.8 3.9	7.4 4.2	7.8 3.9	7.8 3.6
3	6.5 3.4	6.3 2.9	7.1 3.2	8.6 4.8	7.9 4.6	9.6 7.0	7.8 3.7	8.1 3.8	19	6.7 3.0	7.4 3.7	7.1 3.3	8.2 5.1	6.7 3.9	7.3 4.0	7.7 3.9	7.6 3.5
4	6.5 3.4	6.9 3.4	7.0 3.2	8.8 5.0	7.9 4.6	9.8 7.0	7.7 3.6	7.9 3.8	20	6.9 3.0	7.4 3.4	7.0 3.3	7.9 5.5	7.2 3.9	7.2 3.7	7.9 4.0	7.5 3.4
5	6.6 3.2	7.2 3.4	7.0 3.0	8.3 5.3	7.9 4.6	9.7 6.9	7.8 3.7	7.7 3.9	21	6.9 3.1	7.7 3.4	6.7 3.3	7.6 5.4	7.7 4.8	7.2 3.7	8.0 4.0	7.3 3.6
6	6.7 3.2	6.8 3.2	6.8 3.0	8.0 4.8	7.8 4.8	10.0 6.8	7.7 3.6	7.3 3.6	22	6.8 2.8	7.1 3.6	6.4 3.2	7.5 5.2	7.7 4.7	7.4 3.7	7.7 3.8	7.2 3.6
7	6.6 3.2	6.5 2.7	6.6 2.9	8.1 5.0	7.6 4.5	9.7 6.8	7.6 3.7	7.0 3.6	23	6.9 2.8	6.8 3.1	6.3 3.1	7.4 5.1	7.7 4.9	6.9 3.4	7.5 3.8	7.3 3.7
8	6.7 3.0	6.3 2.5	6.6 2.9	8.2 5.0	7.5 4.2	9.1 6.2	7.3 3.6	6.8 3.5	24	6.8 3.0	6.4 3.1	6.6 3.4	8.1 5.2	7.8 4.9	6.7 3.3	7.4 3.9	7.2 3.7
9	6.9 3.0	6.4 2.4	6.4 3.0	8.0 4.9	7.2 3.7	8.2 5.6	7.3 3.9	6.8 3.6	25	6.6 2.9	6.1 2.8	6.6 3.8	8.0 5.7	7.7 4.8	6.6 3.3	7.6 4.1	7.2 3.8
10	6.9 3.0	6.5 2.6	6.6 3.3	7.8 4.7	7.1 3.7	7.6 5.2	6.9 3.4	6.9 3.8	26	6.4 2.9	6.2 2.9	7.5 4.3	7.4 5.2	7.5 4.7	6.3 3.2	7.8 4.2	7.4 3.7
11	6.7 3.0	6.3 2.8	6.4 3.1	7.7 4.5	7.3 3.8	7.4 5.0	6.9 3.9	7.0 3.9	27	6.1 2.9	6.1 2.9	7.0 4.0	7.5 5.3	7.7 4.9	6.3 3.3	7.8 4.3	7.6 3.6
12	6.5 2.9	6.0 2.7	6.7 3.2	8.2 4.9	7.1 3.7	7.6 4.8	7.1 3.6	7.1 3.7	28	6.0 2.8	6.1 2.8	6.9 3.9	7.6 5.1	7.5 4.6	6.7 3.6	7.7 4.5	7.4 3.2
13	6.6 2.8	6.2 2.9	6.7 3.2	7.8 4.5	6.8 3.4	7.6 5.0	6.9 3.9	7.0 3.4	29	5.9 2.8	6.2 3.1	7.3 4.2		7.3 4.6	6.9 3.8	8.0 4.3	7.7 3.4
14	6.4 3.3	6.2 2.9	6.7 3.0	7.8 4.6	6.7 3.6	7.7 4.6	7.0 3.8	7.3 3.4	30	6.0 2.9	6.3 3.2	7.4 3.7		7.8 4.6	7.3 4.0	8.2 4.3	7.7 3.3
15	6.3 3.1	6.8 3.2	6.7 2.9	7.8 4.5	6.7 3.4	7.5 4.7	7.2 3.8	7.4 3.3	31		6.5 3.1	7.4 3.6		7.7 4.7		8.4 4.3	
16	6.5 3.2	7.6 4.0	6.9 3.0	7.7 4.5	7.1 3.9	7.6 4.9	7.4 3.9	7.7 3.8									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 319

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
MINER SLOUGH AT FIVE POINTS

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1	NR	7.3	8.2	12.6		11.8	8.8	9.2	17	NR	8.6	8.6	15.0	8.8	10.3	8.8	9.0
	NR	4.7	6.2	11.7	13.7	11.3	6.6	5.8		NR	5.7	6.7	14.6	7.9	9.9	5.9	4.8
2	NR	7.3	8.4	12.7	13.1		9.0	9.1	18	NR	8.8	8.5	15.1	8.6	10.3	8.7	8.9
	NR	4.6	6.1	11.8	12.3	12.4	6.4	5.6		NR	6.6	6.7	14.8	7.8	9.8	5.7	4.7
3	NR	7.2	8.4	13.6	12.3		8.7	8.9	19	NR	8.8	8.6	15.6	8.6	10.1	8.6	8.6
	NR	4.5	6.1	12.6	12.0	14.1	5.7	5.3		NR	6.6	6.6	14.9	7.8	9.7	5.7	4.5
4	NR	7.9	8.4	13.6	11.8	14.6	8.6	8.7	20	NR	8.9	8.4	14.8	9.2	9.9	8.8	8.4
	NR	4.8	6.1	13.1	11.4	14.3	5.5	5.0		NR	6.9	6.4	14.6	7.8	9.5	5.9	4.3
5	NR	8.2	8.4	13.5	11.2	14.5	8.7	8.6	21	NR	9.1	8.0	15.1	9.2	9.8	8.8	8.2
	NR	4.9	6.3	13.0	10.7	14.0	5.5	5.0		NR	6.9	6.2	14.5	8.2	9.2	5.9	4.4
6	NR	7.8	8.1	13.6	10.9	14.0	8.5	8.1	22	NR	8.4	7.6	15.2	9.6	9.6	8.5	8.1
	NR	4.9	6.1	13.0	10.4	13.5	5.3	4.7		NR	6.8	5.9	14.9	8.5	8.9	5.8	4.3
7	NR	7.5	7.9	14.2	10.5	13.7	8.4	7.9	23	NR	8.4	7.5		10.3	9.3	8.4	8.2
	NR	4.5	5.8	13.3	9.8	13.4	5.3	4.7		NR	6.4	5.6	14.6	9.5	8.5	5.8	4.3
8	NR	7.2	7.8	14.4	10.2	13.5	8.2	7.7	24	NR	8.1	7.8			8.9	8.4	8.1
	NR	4.3	5.6	13.9	9.5	13.1	5.3	4.6		NR	6.6	5.8	13.6	11.0	8.0	6.0	4.2
9	NR	7.4	7.6	14.4	9.8	13.1	8.1	7.8	25	NR	7.7	7.8			8.7	8.7	8.3
	NR	4.2	5.5	14.0	9.1	12.6	5.4	4.6		NR	6.4	6.0	14.1	12.1	7.7	6.4	4.2
10	NR	7.4	7.8	14.4	9.5	12.7	7.7	7.8	26	NR	7.7	8.8			8.4	8.8	8.5
	NR	4.3	5.7	14.0	8.9	12.3	5.0	4.8		NR	6.1	6.8	15.3	12.3	7.4	6.5	4.2
11	NR	7.2	7.6	14.4	9.4	12.4	7.9	7.8	27	7.0	7.4	9.1		12.0	8.3	8.8	8.5
	NR	4.3	5.6	13.9	8.6	12.0	5.4	4.7		4.7	5.7	7.9	15.7	11.6	7.0	6.5	4.0
12	NR	6.9	8.1	14.4	9.0	12.0	7.9	8.0	28	6.9	7.2	9.7		11.7	8.3	8.8	7.7
	NR	4.3	5.8	13.9	8.3	11.3	5.2	4.7		4.6	5.4	8.8	15.0	11.1	6.9	6.5	3.4
13	NR	7.2	8.4	14.7	8.8	11.4	7.7	7.8	29	6.8	7.3	10.6		11.1	8.4	9.0	8.5
	NR	4.4	6.6	14.3	8.0	10.8	5.5	4.3		4.5	5.4	9.7		10.4	6.7	6.4	3.8
14	NR	7.2	8.4	15.0	8.7	10.9	7.9	8.1	30	6.9	7.4	11.2		10.7	8.7	9.1	8.3
	NR	4.4	6.7	14.7	7.9	10.4	5.6	4.3		4.5	5.5	10.5		10.2	6.5	6.3	3.5
15	NR	7.8	8.5	15.1	8.7	10.6	8.1	8.4	31		7.7	12.1		10.8		9.3	
	NR	4.5	6.8	14.7	7.9	10.1	5.6	4.4			6.0	11.2		10.4		6.2	
16	NR	8.7	8.6	15.0	8.9	10.4	8.4	8.7									
	NR	5.3	6.8	14.7	8.0	10.0	5.7	4.8									

Crest Stages.			
	Date	2-27-58	3-26-58
	Time	11:30 AM	9:00 AM
	Stage	15.8	12.4

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 320

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
YOLO BYPASS AT LIBERTY ISLAND

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb.	Mar	Apr	May	June		Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June
1	6.4 2.4	6.7 2.4	7.4 2.5	8.2 4.1	14.3	10.6 9.4	7.8 4.3	8.4 3.8	17	6.9 2.4	7.9 2.8	7.5 2.1	14.2 13.9	7.4 3.9	8.8 7.1	8.0 3.8	8.5 3.3
2	6.4 2.5	6.6 2.2	7.7 2.3	9.4 5.0	13.4	12.7 10.6	8.2 4.3	8.4 3.5	18	7.0 2.0	8.0 2.6	7.5 2.2	14.3 14.0	7.0 3.4	8.5 6.4	8.0 3.6	8.3 3.3
3	6.7 2.4	6.5 1.9	7.6 2.2	9.7 6.1	12.6	14.2 13.4	8.0 3.5	8.2 3.3	19	7.2 1.9	7.9 2.3	7.7 2.3	14.6	6.8 3.4	8.2 5.5	7.8 3.5	8.1 3.0
4	6.7 2.4	7.3 2.2	7.5 2.0	11.0 8.2	12.1 11.0	14.4 14.1	7.9 3.4	8.0 3.2	20	7.3 1.9	7.9 2.3	7.5 2.3	15.1	7.7 4.3	7.8 5.0	7.9 3.7	7.9 2.8
5	6.9 2.2	7.6 2.2	7.5 2.0	11.6 9.2	11.1 10.5	14.3 13.8	8.0 3.5	7.9 3.3	21	6.9 1.6	8.2 2.4	7.1 2.2	15.6	7.8 4.6	7.7 4.6	8.0 3.7	7.6 3.0
6	6.9 2.1	7.1 1.5	7.3 2.0	12.0 10.4	10.6 9.7	13.8 13.3	7.8 3.3	7.3 3.1	22	7.2 1.7	7.4 2.4	6.8 2.2	15.8	7.8 4.5	7.6 4.5	7.7 3.5	7.5 3.0
7	6.9 1.9	6.8 1.3	7.2 2.0	12.9 11.4	9.8 8.4	13.4 13.2	7.6 3.3	7.1 3.2	23	7.3 1.7	7.2 1.9	6.7 2.2	15.3	7.8 5.0	7.2 4.2	7.4 3.5	7.6 3.1
8	7.0 1.9	6.6 1.3	7.1 2.0	13.2 12.6	9.2 7.1	13.2 12.8	7.5 3.3	7.0 3.3	24	7.1 1.8	6.7 1.9	7.1 2.8	14.2	9.6 6.1	6.9 4.0	7.3 3.7	7.5 3.2
9	7.2 1.9	6.8 1.2	6.8 2.0	13.0 12.6	8.4 5.3	12.7 12.3	7.3 3.6	7.2 3.4	25	6.8 1.7	6.3 1.8	7.0 3.1	14.6	11.5 10.5	6.7 4.1	7.5 4.0	6.7 3.2
10	7.2 2.0	6.7 1.4	7.2 2.6	13.1 12.8	8.0 4.4	12.3 11.8	7.0 3.3	7.2 3.7	26	6.5 1.9	6.5 2.0	7.9 4.0	15.7	11.7 11.2	6.5 4.0	7.7 4.1	8.0 3.1
11	6.9 2.0	6.5 1.5	6.9 2.3	13.1 12.8	7.9 4.3	11.9 11.3	7.2 3.7	7.4 3.4	27	6.3 1.9	6.3 2.1	7.1 3.5	16.3	11.2 10.5	6.7 3.9	7.7 4.2	8.0 2.8
12	6.7 1.9	6.2 1.6	7.2 2.4	13.1 12.6	7.4 4.0	11.4 10.4	7.2 3.3	7.4 3.4	28	6.2 2.0	6.4 2.3	7.1 3.4	15.5	10.5 9.5	7.1 4.1	8.0 4.4	7.8 2.4
13	6.8 1.9	6.5 1.9	7.2 2.5	13.6 13.0	7.1 3.5	10.6 9.5	5.9 3.7	7.2 3.0	29	6.1 2.0	6.5 2.6	7.6 3.8		9.6 8.0	7.1 4.0	8.0 4.1	8.2 2.5
14	6.6 2.4	6.5 1.9	7.3 2.2	14.1 13.8	7.1 3.6	9.9 8.7	7.0 3.5	7.5 2.9	30	6.2 2.2	6.6 2.6	7.8 3.0		9.1 7.0	7.5 4.1	8.3 4.1	8.0 2.4
15	6.5 2.2	7.2 2.3	7.2 2.0	14.2 13.9	7.1 3.4	9.3 7.8	7.2 3.4	7.8 2.8	31		6.8 2.3	7.8 2.9		9.0 7.4		8.6 4.1	
16	6.8 2.4	8.1 3.1	7.5 2.1	14.1 13.9	7.5 3.8	9.0 7.4	7.5 3.5	8.2 3.3									

Crest Stages:	Date	2-27-58
	Time	11:30 AM
	Stage	16.4

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 321

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
THREEMILE SLOUGH AT SAN JOAQUIN RIVER

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb.	Mar	Apr.	May	June		Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June
1	NR NR	2.8 -0.1	3.5 -0.1	4.0 0.5	3.8 1.2	4.8 2.0	3.9 0.6	4.4 0.4	17	3.0 -0.2	3.9 0.3	3.4 -0.4	4.3 1.4	3.3 0.5	3.6 0.9	4.0 0.5	4.2 0.2
2	NR NR	2.8 -0.3	3.7 -0.2	4.8 1.2	3.9 1.0	5.4 2.0	4.2 0.5	4.4 0.3	18	3.0 -0.4	4.1 0.1	3.6 -0.2	4.6 1.5	3.0 0.3	3.4 0.5	4.0 0.3	4.1 0.1
3	NR NR	2.7 -0.5	3.6 -0.4	5.2 1.5	4.3 1.0	5.6 3.2	4.1 0.1	4.3 0.2	19	3.2 -0.4	3.9 -0.1	3.6 -0.2	4.5 2.0	2.8 0.3	3.4 0.3	3.9 0.2	3.9 -0.1
4	NR NR	3.4 -0.2	3.4 -0.5	5.4 1.7	4.3 1.1	5.7 3.0	4.0 0.1	4.0 0.1	20	3.4 -0.4	3.9 -0.1	3.5 -0.2	4.1 2.0	3.8 0.5	3.3 0.0	4.0 0.3	3.8 -0.1
5	NR NR	3.6 -0.2	3.4 -0.6	4.7 1.7	4.3 1.3	5.6 2.8	4.1 0.1	3.9 0.2	21	3.3 -0.7	4.2 -0.1	3.1 -0.2	3.9 1.9	4.0 1.2	3.3 0.0	4.1 0.4	3.5 0.0
6	3.1 -0.3	3.2 -0.8	3.2 -0.6	4.4 1.3	4.3 1.1	5.9 2.8	4.0 0.0	3.4 0.0	22	3.3 -0.7	3.5 0.1	2.8 -0.3	3.8 1.7	3.9 1.1	3.4 0.1	3.8 0.2	3.4 0.0
7	3.1 -0.5	2.9 -1.0	3.1 -0.7	4.5 1.4	4.0 1.0	5.5 2.8	3.8 0.0	3.2 0.0	23	3.4 -0.7	3.2 -0.4	2.7 -0.4	3.7 1.7	3.9 1.3	3.0 -0.2	3.6 0.2	3.5 0.1
8	3.1 0.5	2.7 -1.0	3.0 -0.6	4.6 1.6	3.9 0.6	NR NR	3.5 0.0	3.0 0.0	24	3.2 -0.5	2.8 -0.4	3.0 -0.2	4.4 1.8	3.9 1.3	2.8 -0.3	3.4 0.2	3.5 0.1
9	3.3 -0.2	2.8 -1.1	2.8 -0.5	4.4 1.4	3.6 0.2	NR NR	3.4 0.2	3.1 0.1	25	3.0 -0.5	2.4 -0.7	3.0 0.4	4.3 2.3	3.7 1.1	2.7 -0.4	3.7 0.4	3.7 0.3
10	3.4 -0.2	2.9 -0.9	3.0 -0.1	4.2 1.2	3.5 0.1	NR NR	3.1 -0.1	3.2 0.2	26	2.8 -0.5	2.6 -0.6	3.9 0.9	3.6 1.8	3.6 1.1	2.5 -0.4	3.8 0.5	3.8 0.2
11	3.0 -0.9	2.7 -0.8	2.8 -0.3	4.0 1.0	3.7 0.4	NR NR	3.2 0.3	3.2 0.4	27	2.5 -0.5	2.4 -0.6	3.3 0.6	3.7 1.9	3.8 1.3	2.5 -0.3	3.8 0.6	3.8 0.0
12	2.3 0.1	2.4 -0.8	3.1 -0.3	4.5 1.4	3.4 0.2	NR NR	3.2 0.1	3.4 0.3	28	2.4 -0.6	2.5 -0.6	3.2 0.4	3.8 1.6	3.6 1.0	2.8 0.0	3.8 0.8	3.7 -0.3
13	3.0 -0.6	2.6 -0.6	3.1 -0.2	4.1 1.0	3.1 -0.1	NR NR	3.0 0.4	3.2 -0.1	29	2.3 -0.6	2.6 -0.3	3.7 0.7		3.4 0.7	3.2 0.2	4.0 0.7	4.1 -0.1
14	2.8 -0.1	2.6 -0.6	3.2 -0.5	4.2 1.1	3.1 0.0	NR 1.0	3.2 0.3	3.6 0.0	30	2.5 -0.4	2.7 -0.2	3.8 0.2		3.9 1.0	3.5 0.4	4.3 0.6	4.0 -0.2
15	2.7 -0.4	3.3 -0.3	3.1 -0.6	4.2 1.0	3.1 -0.1	3.4 1.0	3.3 0.2	3.7 -0.2	31		2.9 -0.4	3.8 0.1		3.9 1.0		4.6 0.6	
16	2.9 -0.2	4.1 0.6	3.4 -0.4	4.1 1.0	3.4 0.4	3.5 1.1	3.6 0.3	4.1 0.2									

Crest Stages:	Date	
	Time	
	Stage	

NR— No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 322

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SACRAMENTO RIVER AT RIO VISTA

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb.	Mar.	Apr	May	June		Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June
1	6.6 2.8	6.7 2.8	7.4 2.8	8.0 3.4	8.1 5.2	8.8 5.4	7.9 3.5	8.5 3.2	17	7.0 2.8	7.9 3.1	7.4 2.4	8.5 4.9	7.3 3.5	7.6 4.3	8.0 3.3	8 3 2.9
2	6.7 3.0	6.8 2.5	7.6 2.6	8.9 4.2	8.2 5.0	9.7 5.7	8.3 3.3	8.5 3.0	18	7.0 2.3	8.1 2.9	7.6 2.5	8.8 5.3	7.0 3.3	7.3 3.8	7.9 3.1	8.2 2.9
3	6.8 2.9	6.6 2.3	7.6 2.4	9.3 4.4	8.5 4.8	9.7 6.6	8.2 2.8	8.3 2.9	19	7.2 2.3	8.0 2.7	7.6 2.6	8.7 5.6	6.8 3.4	7.3 3.4	7.8 3.0	8.0 2.7
4	6.9 2.9	7.4 2.7	7.4 2.3	9.5 4.7	8.4 4.6	9.7 6.5	8.1 2.7	8.1 2.8	20	NR NR	8.0 2.7	NR NR	8.3 5.6	7.7 4.4	7.2 3.3	7.9 3.1	7.8 2.6
5	7.0 2.6	7.7 2.6	7.4 2.2	8.9 4.3	8.5 4.8	9.6 6.4	8.3 2.8	7.9 3.0	21	NR NR	8.3 2.8	NR NR	8.1 5.6	7.9 4.3	7.3 3.1	7.9 3.1	7.5 2.8
6	7.1 2.5	7.2 2.0	7.3 2.1	8.6 4.6	8.5 4.5	9.8 6.4	8.0 2.7	7.3 2.8	22	NR NR	7.5 2.3	NR NR	8.0 5.6	7.9 4.2	7.3 3.2	7.6 2.9	7.4 2.8
7	7.0 2.2	6.9 1.7	7.1 2.1	8.7 4.6	8.2 4.3	9.5 6.4	7.7 2.8	7.1 3.0	23	NR NR	7.3 2.3	6.7 2.5	8.0 5.6	7.8 4.3	6.9 2.9	7.4 3.0	7.5 3.0
8	7.1 2.3	6.7 1.6	7.1 2.2	8.7 4.8	8.1 4.0	9.0 5.9	7.4 2.8	6.9 3.2	24	NR NR	6.8 2.3	7.0 3.0	8.8 5.7	7.8 4.5	6.6 2.8	7.2 3.2	7.5 3.1
9	7.3 2.4	6.9 1.8	6.8 2.3	8.6 4.8	7.7 3.4	8.2 5.3	7.3 3.2	7.1 3.3	25	NR NR	6.3 2.2	7.0 3.4	8.3 6.2	7.6 4.6	6.5 2.8	7.5 3.4	7.7 3.3
10	7.3 2.4	6.9 2.0	7.1 2.8	8.3 4.7	7.6 3.4	7.6 5.0	6.9 2.8	7.1 3.7	26	6.7 2.3	6.6 2.3	7.8 4.2	7.8 5.8	7.4 4.6	6.2 2.8	7.7 3.5	7.9 3.1
11	7.0 2.4	6.6 2.0	6.8 2.6	8.1 4.5	7.7 3.6	7.3 4.9	7.1 3.5	7.3 3.5	27	6.4 2.3	6.4 2.4	7.2 3.7	8.0 6.0	7.6 4.9	6.7 2.8	7.7 3.7	7.7 2.8
12	6.8 2.2	6.3 2.0	7.2 2.7	8.5 4.9	7.3 3.5	7.4 4.6	6.8 3.2	7.3 3.3	28	6.3 2.3	6.4 2.5	7.1 3.6	8.1 5.6	7.4 4.5	7.1 3.2	8.0 3.8	7.7 2.3
13	6.8 2.2	6.6 2.2	7.2 2.7	8.1 4.4	7.0 3.2	7.4 4.7	6.8 3.5	7.1 2.8	29	6.2 2.4	6.5 2.9	7.5 3.9		7.7 4.6	7.1 3.2	8.3 3.5	8.1 2.6
14	6.7 2.8	6.6 2.3	7.2 2.4	8.2 4.6	7.0 3.3	7.4 4.4	7.0 3.2	7.5 2.8	30	6.3 2.6	6.6 2.8	7.8 3.2		7.7 4.3	7.6 3.4	8.3 3.5	8.1 2.3
15	6.6 2.5	7.2 2.7	7.2 2.3	8.3 4.5	7.0 3.0	7.3 4.5	7.2 3.0	7.7 2.6	31		6.8 2.6	7.7 3.0		7.8 4.4		8.7 3.4	
16	6.9 2.7	8.1 3.5	7.4 2.3	8.3 4.6	7.4 3.5	7.4 4.5	7.5 3.2	8.0 3.0									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 323

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
THREEMILE SLOUGH AT SACRAMENTO RIVER

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	3.4 -0.2	3.6 -0.2	4.2 -0.3	4.8 0.3	4.5 1.7	NR NR	4.7 0.3	5.2 0.0	17	3.8 -0.2	4.7 0.0	4.2 -0.7	5.2 1.7	4.1 0.3	4.3 1.0	4.7 0.2	5.1 -0.2
2	3.6 0.0	3.6 -0.5	4.4 -0.5	5.6 1.0	4.7 1.4	NR NR	5.1 0.2	5.2 -0.2	18	3.8 -0.7	4.9 -0.2	4.4 -0.6	5.5 2.0	3.7 0.1	4.1 0.5	4.7 -0.1	4.9 -0.3
3	3.7 -0.2	3.5 -0.7	4.4 -0.6	6.0 1.2	5.1 1.3	NR NR	5.0 -0.3	5.0 -0.3	19	4.0 -0.8	4.7 -0.4	4.4 -0.5	5.4 2.4	NR NR	4.1 0.2	4.6 -0.2	4.7 -0.4
4	3.7 -0.2	4.2 -0.4	4.3 -0.8	6.2 1.6	5.1 1.2	NR 3.0	4.9 -0.4	4.8 -0.3	20	4.2 -0.8	4.7 -0.4	4.3 -0.5	5.0 2.3	NR NR	4.0 0.0	4.7 0.0	4.5 -0.5
5	3.8 -0.4	4.5 -0.5	4.2 -0.9	5.6 1.1	5.1 1.4	6.2 2.9	5.0 -0.3	4.6 -0.2	21	4.0 -1.2	5.0 -0.3	3.9 -0.6	4.7 2.2	NR NR	4.0 -0.1	4.7 0.0	4.3 -0.3
6	3.9 -0.5	4.0 -1.1	4.1 -1.0	5.3 1.4	5.1 1.1	6.4 2.9	4.8 -0.4	4.0 -0.3	22	4.1 -1.0	4.3 -0.7	3.6 -0.6	4.6 2.2	NR NR	4.0 -0.1	4.4 -0.2	4.1 -0.3
7	3.8 -0.8	3.7 -1.4	3.9 -1.0	5.4 1.4	4.9 0.9	6.1 2.9	4.5 -0.3	3.8 -0.2	23	4.2 -0.9	4.1 -0.7	3.5 -0.6	4.5 2.2	NR NR	3.6 -0.3	4.2 -0.1	4.2 -0.1
8	3.9 -0.8	3.4 -1.5	3.9 -0.9	5.5 1.6	4.8 0.7	5.6 2.4	4.2 -0.3	3.7 0.1	24	4.0 -0.9	3.5 -0.7	3.8 -0.1	5.4 2.3	NR NR	3.4 -0.4	4.0 0.0	4.2 0.0
9	4.1 -0.7	3.6 -1.5	3.6 -0.8	5.3 1.6	4.4 0.1	4.8 1.8	4.1 0.1	3.8 0.2	25	3.8 -0.9	3.1 -0.9	3.8 0.3	5.0 2.8	NR NR	3.2 -0.4	4.3 0.2	4.4 0.2
10	4.1 -0.7	3.7 -1.3	3.9 -0.2	5.1 1.4	4.3 0.1	4.2 1.5	3.7 -0.2	3.9 0.6	26	3.5 -0.7	3.3 -0.7	4.6 1.0	4.3 2.3	NR NR	3.0 -0.4	4.4 0.4	4.6 0.0
11	3.8 -0.7	3.4 -1.1	3.6 -0.5	4.8 1.3	4.4 0.3	4.0 1.5	3.9 0.4	4.1 0.4	27	3.2 -0.7	3.2 -0.6	4.0 0.5	4.4 2.5	NR NR	3.4 -0.3	4.5 0.5	4.5 -0.3
12	3.7 -0.8	3.1 -1.0	4.0 -0.3	5.3 1.7	4.1 0.3	4.1 1.2	3.7 0.1	4.1 0.2	28	3.1 -0.7	3.2 -0.6	3.8 0.4	4.6 2.1	NR NR	3.4 0.0	4.8 0.6	4.5 -0.8
13	3.7 -0.8	3.4 -0.8	4.0 -0.4	4.8 1.2	3.7 -0.2	4.1 1.4	3.7 0.4	3.9 -0.3	29	3.0 -0.6	3.3 -0.2	4.3 0.7		NR NR	3.9 0.1	4.8 0.3	4.8 -0.5
14	3.5 -0.2	3.3 -0.7	4.0 -0.7	4.9 1.4	3.7 0.0	4.2 1.1	3.8 0.1	4.2 -0.3	30	3.2 -0.4	3.4 -0.2	4.5 0.1		NR NR	4.3 0.2	5.1 0.3	4.8 -0.8
15	3.4 -0.5	4.0 -0.4	3.9 -0.8	5.0 1.3	3.8 -0.3	4.0 1.2	4.0 0.0	4.4 -0.4	31		3.6 -0.5	4.5 -0.1		NR NR		5.4 0.2	
16	3.7 -0.3	4.9 0.4	4.2 -0.7	5.0 1.3	4.2 0.3	4.2 1.2	4.3 0.1	4.8 -0.1									

Crest Stages:	Date																	
	Time																	
	Stage																	

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 324

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
YOLO BYPASS AT LINDSEY SLOUGH

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb	Mar	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar.	Apr	May	June
1	6.6 2.8	6.8 2.6	7.5 2.6	8.0 3.4	10.6 8.9	9.0 6.2	8.0 3.5	8.6 3.1	17	7.0 2.6	8.0 3.0	7.5 2.2	9.3 6.6	7.3 3.6	7.7 4.7	8.2 3.4	8.5 2.9
2	6.7 2.8	6.8 2.3	7.7 2.4	9.0 4.2	9.7 7.8	10.1 6.7	8.4 3.3	8.5 3.0	18	7.1 2.1	8.2 2.8	7.5 2.3	9.6 7.2	6.9 3.3	7.5 4.2	8.1 3.1	8.4 2.9
3	6.8 2.6	6.7 2.1	7.6 2.2	9.3 4.5	9.4 7.0	10.4 8.5	8.2 2.7	8.4 2.8	19	7.3 2.1	8.0 2.5	7.7 2.4	9.9 8.0	6.8 3.4	7.5 3.7	8.0 3.0	8.1 2.7
4	6.9 2.6	7.4 2.4	7.5 2.1	9.6 5.0	8.6 6.2	10.8 9.0	8.1 2.7	8.1 2.7	20	7.5 2.1	8.0 2.5	7.5 2.4	9.9 8.0	7.7 4.1	7.3 3.4	8.0 3.1	8.0 2.6
5	7.0 2.4	7.7 2.3	7.5 1.9	9.1 5.0	8.7 5.9	11.1 9.5	8.2 2.8	8.0 3.0	21	7.1 1.6	8.3 2.6	7.1 2.3	9.8 8.2	7.8 4.3	7.4 3.2	8.1 3.1	7.7 2.8
6	7.1 2.3	7.2 1.7	7.3 1.8	8.9 4.7	8.6 5.9	NR NR	8.0 2.8	7.5 2.8	22	7.4 1.8	7.5 2.2	6.8 2.2	10.0 8.7	7.8 4.3	7.4 3.2	7.8 3.0	7.6 2.7
7	7.0 2.0	7.0 1.5	7.2 1.9	9.0 5.1	8.3 5.1	NR NR	7.9 2.8	7.0 3.0	23	7.4 1.8	7.3 2.1	6.7 2.9	10.0 9.0	7.9 4.5	7.0 3.0	7.5 3.0	7.6 2.9
8	7.1 2.0	6.7 1.5	7.1 1.9	9.1 5.5	8.2 4.5	NR NR	7.7 3.0	7.0 3.2	24	7.2 1.9	6.8 2.0	7.0 3.2	10.0 8.8	8.0 4.9	6.7 2.9	7.4 3.2	7.6 3.0
9	7.3 2.1	6.9 1.4	6.8 2.1	8.9 5.5	7.8 3.8	NR NR	7.5 3.4	7.2 3.3	25	7.0 1.9	6.4 2.0	7.0 3.2	10.2 9.3	7.8 5.4	6.5 2.9	7.6 3.5	7.8 3.1
10	7.3 2.2	6.9 1.6	7.2 2.6	8.8 5.7	7.7 3.6	NR NR	7.2 3.0	7.2 3.6	26	6.7 2.1	6.6 2.2	7.9 4.0	10.6 9.6	7.8 5.5	6.3 2.8	7.8 3.6	8.0 3.0
11	7.0 2.1	6.6 1.8	6.9 2.3	8.6 5.6	7.7 3.7	NR NR	7.4 3.6	7.4 3.8	27	6.4 2.1	6.4 2.3	7.1 3.6	12.0 10.9	8.0 5.7	6.7 2.9	7.9 3.8	8.0 2.7
12	6.8 2.0	6.4 1.8	7.2 2.5	9.1 6.0	7.4 3.6	NR NR	7.4 3.3	7.4 3.2	28	6.3 2.2	6.5 2.4	7.0 3.4	12.0 10.6	7.7 5.1	7.2 3.2	6.0 3.8	7.8 2.1
13	6.9 2.0	6.7 2.0	7.2 2.5	8.7 5.8	7.0 3.2	NR NR	7.1 3.6	7.2 2.7	29	6.2 2.2	6.6 2.7	7.5 3.8		7.5 5.1	7.2 3.3	8.4 3.6	8.2 2.4
14	6.7 2.7	6.7 2.1	7.2 2.2	9.0 6.2	7.0 3.4	NR NR	7.2 3.4	7.6 2.7	30	6.4 2.4	6.6 2.7	7.8 3.1		7.9 4.6	7.6 3.4	8.4 3.5	8.1 2.2
15	6.7 2.3	7.4 2.5	7.2 2.1	9.1 6.1	7.1 3.0	NR NR	7.4 3.2	7.8 2.6	31		6.8 2.4	7.7 2.9		8.0 4.8		8.7 3.4	
16	7.0 2.5	8.2 3.3	7.5 2.2	9.1 6.2	7.4 3.6	NR NR	7.7 3.3	8.2 3.0									

Crest Stages:	Date						
	Time						
	Stage						

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 325

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SAN JOAQUIN RIVER AT ANTIOCH

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb.	Mar.	Apr	May	June		Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1	13.2 9.8	12.9 9.4	13.7 9.5	14.2 9.9	13.9 10.7	14.8 11.4	14.1 9.9	14.4 9.4	17	13.0 9.2	14.1 9.7	13.7 9.0	14.6 10.9	13.4 9.9	13.6 10.4	14.3 10.1	14.3 9.4
2	13.5 10.0	13.0 9.1	13.9 9.3	15.1 10.7	14.1 10.5	15.5 11.7	14.4 9.8	14.5 9.4	18	13.0 9.2	14.3 9.5	13.9 9.2	14.9 11.2	13.1 9.7	13.5 10.0	14.4 9.9	14.2 9.3
3	13.4 9.8	12.8 9.0	13.8 9.1	15.4 10.9	14.5 10.5	15.7 12.4	14.4 9.4	14.3 9.3	19	13.2 8.8	14.2 9.3	13.8 9.3	14.8 11.6	13.0 9.8	13.4 9.7	14.3 9.8	14.0 9.2
4	13.2 9.5	13.6 9.3	13.7 8.9	15.6 11.1	14.5 10.5	15.8 12.2	14.3 9.4	14.1 9.3	20	13.4 8.8	14.2 9.3	13.7 9.2	14.3 11.4	13.8 10.5	13.4 9.6	14.4 9.9	13.8 9.2
5	13.2 9.3	13.9 9.2	13.7 8.8	14.9 10.7	14.6 10.7	15.7 12.0	14.4 9.4	13.9 9.4	21	13.4 8.7	14.4 9.5	13.4 9.2	14.0 11.3	14.2 10.7	13.4 9.5	14.5 10.0	13.6 9.3
6	13.3 9.2	13.4 8.6	13.5 8.8	14.7 10.9	14.5 10.5	15.9 12.1	14.2 9.4	NR NR	22	13.3 8.5	13.7 9.0	13.0 9.2	13.9 11.3	14.1 10.6	13.5 9.4	14.2 9.9	13.4 9.3
7	13.3 8.9	13.1 8.4	13.4 8.8	14.8 10.9	14.3 10.4	15.6 12.0	14.0 9.4	NR NR	23	13.4 8.4	13.5 9.0	13.0 9.2	13.8 11.3	14.0 10.7	13.0 9.2	14.0 10.0	13.6 9.5
8	13.4 8.9	12.9 8.3	13.3 8.8	14.8 11.1	14.2 10.1	15.0 11.5	13.7 9.4	13.2 9.7	24	13.2 8.6	13.0 9.0	13.2 9.7	14.6 11.5	14.0 10.7	12.8 9.2	14.0 10.1	13.6 9.6
9	13.5 9.0	13.1 8.5	13.1 9.0	14.7 11.0	13.8 9.6	14.2 11.0	13.5 9.7	13.2 9.8	25	13.0 8.6	12.6 8.9	13.3 10.0	14.3 11.9	13.8 10.6	12.7 9.2	13.8 9.6	13.8 9.8
10	13.5 9.0	13.1 8.7	13.3 9.5	14.4 10.8	13.8 9.7	13.7 10.7	13.3 9.5	13.3 10.2	26	12.7 8.8	12.8 9.0	14.1 10.8	13.6 11.4	13.6 10.6	12.5 9.1	13.6 9.7	14.0 9.7
11	13.2 8.9	12.9 8.7	13.1 9.3	14.2 10.6	13.8 9.9	13.5 10.7	13.4 10.0	13.5 10.1	27	12.5 8.8	12.7 9.1	13.4 10.3	13.7 11.5	13.9 11.0	12.8 9.2	13.6 9.8	13.9 9.3
12	13.0 8.8	12.6 8.7	13.4 9.4	14.7 11.0	13.6 9.9	13.5 10.6	13.2 9.9	13.4 9.8	28	12.4 8.8	12.7 9.2	13.3 10.1	13.9 11.2	13.6 10.6	13.3 9.5	13.6 10.0	13.9 9.0
13	13.0 8.8	12.8 8.9	13.4 9.3	14.2 10.5	13.2 9.5	13.5 10.7	13.4 10.2	13.7 9.4	29	12.3 8.9	12.8 9.5	13.8 10.4		13.8 10.7	13.3 9.6	13.9 9.7	14.3 9.2
14	13.0 9.3	12.8 9.0	13.4 9.1	14.3 10.6	13.2 9.7	13.7 10.5	13.4 9.9	13.9 9.4	30	12.5 9.1	12.9 9.5	14.0 9.8		13.9 10.4	13.6 9.9	14.2 9.6	14.2 9.0
15	12.7 9.0	13.5 9.3	13.4 8.9	14.4 10.5	13.2 9.4	13.4 10.7	13.6 9.8	14.2 9.3	31		13.1 9.2	13.9 9.6		13.9 10.5		14.5 9.6	
16	13.0 9.2	14.3 10.1	13.7 9.0	14.3 10.6	13.6 9.9	13.6 10.6	13.9 10.0	14.3 9.5									

Crest Stages:	Date	
	Time	
	Stage	

NR — No Record

NOTE : Single daily values indicate daily mean stage only.

TABLE 326

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SACRAMENTO RIVER AT COLLINSVILLE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb	Mar	Apr	May	June		Nov	Dec.	Jan	Feb	Mar	Apr.	May	June
1	6.1 2.7	6.3 2.7	6.9 2.6	7.4 3.0	7.1 3.9	8.0 4.5	7.3 3.0	7.8 2.7	17	6.6 2.6	7.5 2.9	6.9 2.1	7.8 4.0	NR NR	6.8 3.5	7.2 2.9	7.5 2.4
2	6.3 2.8	6.3 2.4	7.1 2.4	6.4 3.8	7.3 3.7	8.8 4.8	7.6 2.8	7.9 2.6	18	6.6 2.2	7.6 2.7	7.1 2.3	8.2 4.4	NR NR	6.7 3.0	7.3 2.6	7.4 2.3
3	6.3 2.7	6.2 2.2	7.1 2.2	8.7 4.0	7.8 3.6	8.9 5.5	7.6 2.4	7.7 2.5	19	6.8 2.1	7.5 2.5	7.1 2.4	8.0 4.7	NR NR	6.6 2.8	7.2 2.6	7.3 2.3
4	6.4 2.6	6.9 2.5	7.0 2.1	8.9 4.2	7.8 3.6	9.0 5.3	7.5 2.4	7.4 2.5	20	6.9 2.1	7.5 2.5	7.0 2.3	7.5 4.6	7.2 3.7	6.6 2.6	7.3 2.6	7.1 2.3
5	6.5 2.4	7.2 2.4	6.9 1.9	8.3 3.8	7.8 3.8	8.9 5.2	7.5 2.4	7.2 2.5	21	6.8 1.6	7.7 2.6	6.6 2.3	7.2 4.5	7.4 3.9	6.6 2.5	7.3 2.7	6.8 2.4
6	6.6 2.4	6.7 1.8	6.8 1.8	7.9 4.0	7.7 3.6	9.2 5.2	7.4 2.4	6.7 2.5	22	6.8 1.9	7.0 2.2	6.2 2.2	7.1 4.5	7.3 3.7	6.6 2.5	7.1 2.5	6.6 2.4
7	6.6 2.1	6.5 1.6	6.6 2.0	8.1 4.2	7.6 3.4	8.8 5.1	7.1 2.4	6.5 2.5	23	6.9 2.0	6.7 2.1	6.2 2.8	7.1 4.5	7.2 3.8	6.2 2.3	6.8 2.6	6.8 2.6
8	6.7 2.2	6.2 1.4	6.5 2.1	8.1 4.2	7.4 3.2	8.2 4.6	6.8 2.4	6.4 2.8	24	6.7 2.0	6.2 2.0	6.5 2.8	7.8 4.7	7.2 3.8	6.0 2.3	6.7 2.7	6.8 2.7
9	6.8 2.2	6.4 1.7	6.3 2.1	7.9 4.1	7.1 2.7	7.4 4.1	6.6 2.7	6.4 3.0	25	6.5 2.0	5.8 2.0	6.5 3.1	7.5 5.0	7.0 3.7	5.9 2.3	6.9 2.9	7.0 2.9
10	6.8 2.2	6.4 1.9	6.6 2.6	7.7 3.9	7.0 NR	6.8 3.8	6.4 2.5	6.5 3.3	26	6.2 2.2	6.1 2.1	7.3 3.9	6.8 4.5	6.8 3.8	5.7 2.2	7.1 3.1	7.2 2.7
11	6.5 2.2	6.2 1.9	6.3 2.3	7.4 3.8	NR NR	6.7 3.8	6.6 3.1	6.7 3.2	27	6.0 2.2	5.9 2.2	6.6 3.4	6.9 4.6	7.1 4.1	6.1 2.3	7.2 3.2	7.1 2.4
12	6.4 2.1	5.9 1.9	6.7 2.5	7.9 4.1	NR NR	6.8 3.7	6.3 2.9	6.6 2.9	28	5.9 2.2	5.9 2.3	6.5 3.2	7.0 4.3	6.8 3.7	6.5 2.6	7.4 3.3	7.5 2.0
13	6.4 2.1	6.1 2.1	6.6 2.4	7.4 3.6	NR NR	6.8 3.8	6.3 3.2	6.6 2.5	29	5.8 2.3	6.0 2.7	7.0 3.5		7.0 3.9	6.5 2.7	7.7 3.1	7.5 2.2
14	6.2 2.7	6.1 2.2	6.7 2.2	7.5 3.8	NR NR	6.8 3.6	6.5 2.9	6.9 2.5	30	5.9 2.5	6.1 2.6	7.2 2.8		7.1 3.5	6.9 3.0	7.7 2.9	7.4 2.1
15	6.1 2.3	6.8 2.5	6.6 2.0	7.6 3.6	NR NR	6.7 3.8	6.7 2.7	7.1 2.4	31		6.3 2.4	7.1 2.6		7.1 3.6		8.0 2.8	
16	6.5 2.6	7.6 3.3	6.9 2.1	7.6 3.7	NR NR	6.8 3.7	6.9 2.8	7.3 2.5									

Crest Stages:	Date						
	Time						
	Stage						

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 327

DAILY MAXIMUM AND MINIMUM GAGE HEIGHTS
SUISUN BAY AT BENICIA ARSENAL

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan.	Feb	Mar.	Apr	May	June		Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June
1	3.1 -1.2	3.2 -1.3	NR NR	4.3 -1.9	3.8 -1.5	4.9 -0.9	4.5 -2.2	4.8 -2.8	17	3.5 -1.7	NR NR	3.9 -2.6	4.4 -1.4	3.5 -1.6	3.5 -1.4	4.0 -2.3	4.1 -2.9
2	3.2 -1.1	3.2 -1.7	NR NR	5.3 -1.1	3.9 -1.9	5.7 -0.3	4.5 -2.5	4.9 -2.8	18	3.6 -2.3	NR NR	4.1 -2.4	4.9 -0.7	3.3 -1.8	3.5 -1.9	4.0 -2.5	4.0 -3.0
3	3.4 -1.4	3.1 -2.0	NR NR	5.5 -1.1	4.5 -2.2	5.6 -0.3	4.5 -2.8	4.6 -2.8	19	3.8 -2.5	NR NR	4.1 -2.3	4.6 -0.6	3.2 -1.4	3.4 -2.2	4.0 -2.7	4.0 -3.0
4	3.4 -1.5	3.8 -1.7	NR NR	5.7 -1.0	4.5 -2.1	5.6 -0.8	4.6 -2.9	4.3 -2.8	20	4.0 -2.7	NR NR	3.9 -2.3	4.1 -0.6	4.2 -0.6	3.3 -2.2	4.1 -2.7	3.7 -2.9
5	3.5 -1.8	4.1 NR	NR NR	5.0 -1.6	4.6 -1.7	5.4 -1.2	4.5 -2.9	4.0 -2.6	21	3.9 -3.1	NR NR	3.6 -2.2	3.7 -0.4	4.4 -0.6	3.4 -2.4	4.0 -2.6	3.5 -2.7
6	3.6 -2.0	NR NR	NR NR	4.6 -1.2	4.4 -1.8	5.7 -1.0	4.3 -2.9	3.5 -2.3	22	3.8 -3.0	NR NR	3.2 -2.2	3.7 -0.1	4.3 -0.8	3.3 -2.4	3.9 -2.6	3.4 -2.5
7	3.6 -2.3	NR NR	NR NR	4.8 -0.9	4.4 -1.6	5.4 -0.9	3.9 -2.8	3.3 -1.8	23	3.9 -2.7	NR NR	3.1 -1.2	3.6 -0.1	4.0 -0.8	3.0 -2.4	3.6 -2.3	3.6 -2.0
8	3.6 -2.3	NR NR	NR NR	4.8 -0.6	4.4 -2.1	4.8 -1.3	3.5 -2.5	3.1 -1.2	24	3.6 -2.6	NR NR	3.5 -0.9	3.9 0.8	3.9 -0.9	2.8 -2.2	3.5 -1.9	3.7 -1.5
9	3.8 -2.3	NR NR	NR NR	4.6 -0.7	4.1 -2.5	4.0 -1.4	3.2 -2.0	3.1 -0.8	25	3.3 -2.3	NR NR	3.4 -0.1	4.2 0.3	3.6 -1.2	2.6 -2.2	3.6 -1.6	4.0 -1.5
10	3.7 -2.4	NR NR	NR NR	4.3 -1.1	4.1 -2.1	3.5 -1.3	3.1 -1.6	3.2 -0.5	26	3.0 -2.1	NR NR	4.2 0.3	3.4 -0.4	3.4 -1.0	2.3 -2.1	3.8 -1.3	4.2 -1.9
11	3.3 -2.4	NR NR	NR NR	4.0 -1.2	4.0 -1.7	3.3 -0.9	3.2 -0.9	3.3 -0.9	27	2.9 -1.9	NR NR	3.4 -0.6	3.4 -0.6	3.8 -0.2	2.7 -1.9	3.9 -1.1	4.2 -2.5
12	3.2 -2.3	NR NR	NR NR	4.5 -1.2	3.7 -1.7	3.4 -0.9	3.0 -1.0	3.3 -1.5	28	2.7 -1.6	NR NR	3.2 -0.8	3.7 -1.2	3.5 -0.8	3.2 -1.9	4.2 -1.5	4.6 -2.9
13	3.1 -2.3	NR NR	NR NR	4.0 -1.8	3.4 -1.8	3.5 -0.7	3.1 -1.0	3.6 -2.0	29	2.8 -1.6	NR NR	3.7 -0.6		3.8 -0.3	3.7 -1.8	4.6 -2.0	4.6 -2.9
14	3.0 -1.6	NR NR	NR -2.3	4.1 -1.7	3.3 -1.5	3.4 -0.6	3.3 -1.6	3.8 -2.4	30	2.8 -1.3	NR NR	3.9 -1.7		3.8 -1.3	4.2 -1.7	4.6 -2.4	4.6 -2.9
15	3.0 -2.0	NR NR	3.6 -2.6	4.3 -1.9	3.4 -2.0	3.6 -0.5	3.3 -2.0	4.0 -2.6	31		NR NR	3.9 -2.2		4.6 -1.3		4.8 -2.7	
16	3.4 -1.7	NR NR	3.9 -2.6	4.2 -1.8	3.7 -1.6	3.0 -0.9	3.7 -2.1	4.1 -2.7									

Crest Stages:	Date							
	Time							
	Stage							

NR — No Record

NOTE : Single daily values indicate daily mean stage only

TABLE 328

DAILY MEAN GAGE HEIGHT
SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb	Mar	Apr	May	June		Nov	Dec.	Jan	Feb	Mar	Apr	May	June
1	58.1	[illegible]	58.4	62.[illegible]	65.[illegible]	69.1	69.0	65.4	17	58.0	58.4	59.5	60.9	66.3	69.7	68.8	66.1
2	58.1	[illegible]	[illegible]	62.0	64.9	69.3	[illegible]	68.[illegible]	18	57.9	58.5	59.6	60.7	67.7	69.6	68.8	64.9
3	58.1	58.0	[illegible]	61.7	63.9	69.7	68.9	68.4	19	58.0	58.7	59.5	61.4	68.4	69.5	68.8	64.2
4	58.1	[illegible]	[illegible]	61.8	62.9	70.1	68.9	68.4	20	57.9	58.8	59.4	62.9	68.5	69.4	68.8	63.7
5	58.1	[illegible]	58.4	62.9	62.3	70.7	68.9	68.5	21	58.0	58.8	59.4	65.0	68.4	69.4	68.8	63.3
6	58.0	58.3	58.4	63.7	61.0	71.1	68.8	68.5	22	58.1	58.6	59.3	66.0	68.2	69.3	68.7	63.1
7	58.0	58.4	58.6	64.6	61.7	71.0	68.8	68.5	23	58.1	58.6	59.2	65.5	68.3	69.2	68.5	64.1
8	58.0	58.3	58.6	64.3	61.8	70.9	68.9	68.6	24	58.1	58.5	59.5	64.4	68.8	69.2	68.4	65.3
9	58.0	58.3	58.6	63.[illegible]	62.8	70.7	[illegible]8.9	68.6	25	58.1	58.5	60.0	63.5	69.0	69.2	68.3	65.8
10	58.0	58.3	58.6	62.4	62.6	70.5	68.8	68.6	26	58.1	58.5	61.4	63.3	68.9	69.1	68.2	65.8
11	58.0	58.2	58.6	61.7	61.8	70.4	68.8	68.6	27	58.0	58.5	62.2	64.5	68.8	69.1	68.1	65.9
12	58.0	58.2	58.6	61.3	61.3	70.2	68.8	68.4	28	58.0	58.5	62.7	65.5	68.8	69.0	68.2	66.3
13	58.1	58.2	58.6	61.2	61.0	70.1	68.9	68.4	29	58.2	58.5	63.5		68.8	69.0	68.3	66.7
14	58.1	58.2	58.8	61.4	60.8	70.0	68.8	68.1	30	58.2	58.4	63.3		68.9	69.0	68.3	66.7
15	58.0	58.3	59.0	61.4	61.1	69.9	68.8	68.1	31		58.4	62.5		68.9		68.4	
16	58.0	58.3	59.4	61.2	63.7	69.8	68.8	67.5									

Crest Stages:							
Date	1-18-58	1-29-58	2- 7-58	2-22-58	2-28-58	3-25-58	4- 6-58
Time	10:00 AM	9:00 PM	5:00 PM	1:00 PM	11:00 PM	10:00 AM	6:30 AM
Stage	59.6	63.7	64.6	66.0	65.6	69.0	71.1

NR — No Record

TABLE 329

DAILY MEAN GAGE HEIGHT
MERCED RIVER BELOW SNELLING

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec	Jan	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	182.5	182.7	183.0E	183.2	183.9	185.2	183.2	186.4	17	182.6	183.0	182.9	183.0	184.6	184.2	186.0	183.2
2	182.5	182.7	183.0E	183.1	183.9	186.0	183.5	186.4	18	182.6	182.9	182.9	183.1	184.5	184.2	186.5	185.7
3	182.5	182.7	183.0E	183.6	183.9	186.5	184.1	186.0	19	182.6	183.0	182.9	184.1	184.5	184.6	186.6	185.8
4	182.5	182.7	182.9	183.6	183.9	187.8	184.4	185.2	20	182.7	182.8	182.9	183.6	184.8	184.6	186.6	185.8
5	182.5	182.7	182.9	183.6	183.9	187.4	184.5	185.0	21	182.7	182.8	182.9	183.4	184.7	184.6	186.6	185.5
6	182.5	182.7	182.8	183.3	184.1	186.6	185.0	185.2	22	182.7	182.8	182.9	183.2	186.4	184.7	186.8	185.3
7	182.5	182.7	182.8	183.2	184.1	185.7	185.5	185.2	23	182.7	182.8E	182.9	183.2	186.3	184.7	186.8	185.3
8	182.5	182.7	182.8E	183.2	184.1	185.0	185.5	185.1	24	182.7	182.8E	183.4	183.2	185.7	184.3	186.8	185.4
9	182.5	182.7	182.8E	183.1	184.1	183.9	185.6	184.4	25	182.7	182.9E	183.4	183.6	185.0	183.7	186.8	185.1
10	182.5	182.7	182.8E	183.1	184.0	184.2	185.8	183.3	26	182.7	182.9E	183.6	183.5	183.8	183.3	186.7	184.2
11	182.5	182.7	182.8E	183.1	183.9	183.9	186.2	182.2	27	182.7	182.9E	183.6	183.1	183.2	183.1	186.7	184.3
12	182.5	182.7	182.9E	183.2	184.0	184.0	186.0	181.3	28	182.7	182.9E	183.3	183.5	183.4	183.4	186.7	184.3
13	182.6	182.7	182.9E	183.2	183.9	184.2	185.6	181.2	29	182.7	182.9E	183.2		183.4	183.2	186.8	184.1
14	182.6	182.7	182.9E	183.1	183.9	183.9	184.9	181.1	30	182.8	182.9E	183.5		183.5	183.2	186.7	183.4
15	182.6	182.8	182.9E	183.1	184.4	183.6	184.9	181.1	31	182.8	183.0E	183.3		185.2		186.7	
16	182.6	182.9	182.9	183.1	185.0	183.5	185.5	181.3									

Crest Stages:						
Date	3-22-58	4- 3-58	5-22-58	5-24-58	6- 3-58	
Time	1:30 PM	11:45 PM	6:00 PM	3:00 AM	2:00 AM	
Stage	186.9	188.1	186.7	186.7	186.5	

NR — No Record E - Estimated

TABLE 330

DAILY MEAN GAGE HEIGHT
MERCED RIVER AT CRESSEY

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	0.7	0.7	0.8	1.5	2.8	9.8	5.4	12.1	17	0.6	0.9	0.8	1.0	6.6	7.6	10.3	2.3
2	0.7	0.7	0.8	1.2	3.2	11.7	5.7	10.6	18	0.6	1.0	0.8	1.0	5.4	7.7	11.6	8.9
3	0.7	0.7	0.8	2.2	3.2	14.3	6.9	9.8	19	0.6	1.0	0.8	5.0	5.1	8.3	12.5	9.9
4	0.7	0.6	0.9	2.8	3.2	17.4	7.9	8.9	20	0.6	1.0	0.8	4.7	5.5	8.6	12.5	10.0
5	0.7	0.8	0.8	4.4	3.2	17.1	8.1	8.0	21	0.6	0.9	0.8	2.5	6.3	8.5	12.3	9.6
6	0.7	0.8	0.8	2.3	3.5	16.0	8.9	8.3	22	0.6	0.9	0.7	1.8	10.2	8.8	12.5	8.9
7	0.6	0.8	0.8	1.6	3.8	13.4	10.6	8.3	23	0.6	0.8	0.8	1.6	11.1	8.9	12.6	8.7
8	0.6	0.8	0.8	1.4	3.9	10.9	10.4	8.3	24	0.6	0.8	0.9	1.4	10.9	8.4	12.5	8.9
9	0.6	0.8	0.8	1.3	3.8	7.3	10.3	7.5	25	0.6	0.8	3.0	2.2	9.8	6.6	12.5	8.6
10	0.6	0.8	0.8	1.2	3.6	8.2	10.7	5.7	26	0.7	0.8	2.6	3.2	5.8	6.0	12.4	6.9
11	0.6	0.8	0.9	1.0	3.3	7.2	11.4	3.9	27	0.6	0.8	3.9	2.1	5.2	5.0	12.5	6.5
12	0.5	0.7	1.0	1.1	3.3	7.3	11.8	2.3	28	0.6	0.8	2.3	1.4	4.3	5.8	12.4	6.6
13	0.6	0.7	0.9	2.0	3.2	7.7	10.4	1.8	29	0.6	0.8	1.5		5.0	5.5	12.5	6.4
14	0.6	0.7	0.8	1.4	3.2	7.3	8.4	1.6	30	0.7	0.8	1.9		5.1	5.4	12.5	5.3
15	0.6	0.8	0.8	1.1	4.9	6.4	7.8	1.5	31		0.8	2.2		8.4		12.2	
16	0.6	0.9	0.8	1.0	9.3	6.7	9.1	1.5									

Crest Stages:								
	Date	3-16-58	3-22-58	4- 1-58	4- 3-58	4- 4-58	4- 6-58	5-12-58	5-24-58
	Time	10:30 AM	8:30 AM	11:30 PM	12:30 PM	5:00 PM	4:45 PM	3:30 AM	5:00 PM
	Stage	12.4	11.8	13.2	16.4	18.3	16.5	12.3	12.6

NR — No Record

TABLE 331

DAILY MEAN GAGE HEIGHT
SAN JOAQUIN RIVER NEAR NEWMAN

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	1.6	1.7	1.9	4.9	7.2	14.3	13.6	14.8	17	1.6	2.0	2.8	3.8	10.5	15.7	14.3	9.2
2	1.6	1.8	1.9	4.6	7.2	15.3	13.5	14.7	18	1.6	2.1	2.8	3.7	10.6	15.6	14.6	8.9
3	1.7	1.9	1.9	4.4	6.7	16.3	13.5	14.4	19	1.6	2.3	2.8	4.2	11.1	15.5	14.9	10.4
4	1.7	1.8	2.0	4.8	6.1	17.1	13.8	14.1	20	1.6	2.3	2.8	7.3	11.6	15.5	15.2	10.7
5	1.6	1.8	2.0	5.7	5.7	17.8	14.0	13.8	21	1.7	2.3	2.8	7.5	12.1	15.4	15.2	10.6
6	1.6	1.9	2.0	6.4	5.4	18.2	14.1	13.5	22	1.8	2.2	2.7	7.8	12.5	15.2	15.1	10.3
7	1.6	1.9	2.0	6.4	5.5	18.1	14.4	13.6	23	1.8	2.2	2.7	7.6	13.6	15.1	15.0	10.2
8	1.6	1.9	2.0	6.2	5.6	17.8	14.7	13.7	24	1.7	2.1	2.8	6.8	14.3	15.0	14.9	10.7
9	1.6	1.9	2.0	5.6	6.1	17.5	14.7	13.7	25	1.7	2.1	3.2	6.3	14.8	14.8	14.8	11.1
10	1.6	1.9	2.0	4.9	6.1	17.2	14.8	13.5	26	1.7	2.1	4.4	5.8	14.6	14.4	14.7	11.0
11	1.6	1.8	2.0	4.4	5.6	17.0	14.9	12.9	27	1.7	2.1	5.0	6.5	13.6	14.1	14.6	10.3
12	1.6	1.8	2.1	4.2	5.2	16.7	15.1	12.2	28	1.7	2.0	5.6	7.0	13.0	13.8	14.5	10.4
13	1.6	1.8	2.3	4.0	5.0	16.5	15.1	11.7	29	1.7	2.0	5.6		12.8	13.8	14.6	10.7
14	1.6	1.8	2.3	4.3	4.9	16.4	14.8	11.4	30	1.7	2.0	5.5		12.8	13.7	14.7	10.7
15	1.6	1.9	2.4	4.2	5.1	16.2	14.3	10.9	31		1.9	5.1		13.0		14.7	
16	1.6	1.9	2.7	4.0	7.9	15.9	14.1	10.2									

Crest Stages:								
	Date	2- 6-58	2-20-58	3- 2-58	3-26-58	4- 6-58	5-13-58	5-21-58	6-25-58
	Time	3:00AM	4:00 PM	6:00 AM	2:00 AM	12:00 Noon	5:00 AM	12:00 Noon	8:30 PM
	Stage	6.5	8.2	7.3	14.8	18.2	15.2	15.2	11.2

NR — No Record

TABLE 332

DAILY MEAN GAGE HEIGHT
SAN JOAQUIN RIVER AT PATTERSON BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	35.9	35.9	36.2	39.5	42.0	49.6	49.7	50.6	17	35.9	36.2	36.8	38.4	44.7	NR	50.2	45.5
2	35.9	35.9	36.2	39.2	42.1	50.7	49.6	50.7	18	35.9	36.3	36.9	38.3	45.9	NR	50.3	44.4
3	35.9	36.0	36.2	39.1	41.9	NR	49.5	50.6	19	35.9	36.4	37.0	39.8	46.3	NR	50.5	45.0
4	35.9	36.0	36.2	39.1	41.2	NR	49.5	50.3	20	35.9	36.5	36.9	42.3	46.8	NR	50.7	46.1
5	35.9	36.1	36.2	39.8	40.6	NR	49.7	50.1	21	35.9	36.5	36.9	42.8	47.6	NR	50.9	46.4
6	35.9	36.1	36.2	40.8	40.3	NR	49.8	49.8	22	35.9	36.5	36.9	42.5	48.4	NR	51.0	46.3
7	35.9	36.1	36.2	40.9	40.1	NR	49.9	49.6	23	36.0	36.4	36.9	42.7	49.1	NR	51.0	46.1
8	35.9	36.1	36.2	40.9	40.1	NR	50.2	49.6	24	35.9	36.4	37.1	42.2	49.7	50.9	50.9	46.1
9	35.9	36.1	36.2	40.5	40.3	NR	50.4	49.7	25	35.9	36.4	37.4	41.7	50.2	50.9	50.9	46.6
10	35.8	36.1	36.3	39.8	40.7	NR	50.5	49.6	26	35.9	36.3	38.0	41.2	50.5	50.6	50.8	46.9
11	35.8	36.1	36.2	39.3	40.4	NR	50.6	49.4	27	35.9	36.3	39.0	41.3	50.3	50.4	50.7	46.5
12	35.8	36.0	36.3	38.9	39.9	NR	50.7	48.8	28	35.9	36.3	39.6	41.7	49.8	50.1	50.5	45.9
13	35.8	36.1	36.4	38.7	39.6	NR	50.8	48.2	29	35.9	36.3	39.8		49.3	49.9	50.5	46.1
14	35.9	36.1	36.4	38.7	39.5	NR	50.9	47.6	30	35.9	36.3	39.9		49.1	49.8	50.5	46.4
15	36.0	36.1	36.4	38.8	39.6	NR	50.7	47.2	31		36.2	39.7		49.1		50.6	
16	35.9	36.2	36.6	38.6	41.6	NR	50.3	46.5									

Crest Stages:								
	Date	2-21-58	3-26-58	5-14-58	5-23-58	6- 2-58	6-21-58	6-26-58	6-30-58
	Time	6:00 AM	4:00 PM	7:00 AM	1:00 AM	3:00 PM	1:40 PM	11:00 AM	4:30 PM
	Stage	43.0	50.6	50.9	51.0	50.7	46.4	46.9	46.4

NR — No Record

TABLE 333

DAILY MEAN GAGE HEIGHT
SAN JOAQUIN RIVER AT GRAYSON

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	27.2	27.3	27.7	31.2	34.2	41.9	41.9	42.6	17	27.2	27.7	28.1	30.2	37.0	43.9	42.3	37.5
2	27.2	27.3	27.6	30.9	34.4	43.1	41.8	42.6	18	27.2	27.8	28.2	30.1	38.5	43.8	42.2	36.3
3	27.2	27.4	27.6	30.8	34.3	44.3	41.6	42.6	19	27.2	27.9	28.3	31.7	39.0	43.6	43.1	36.4
4	27.2	27.5	27.6	30.8	33.7	44.8	41.6	42.4	20	27.3	27.9	28.3	34.8	39.6	43.6	42.7	37.9
5	27.2	27.6	27.6	31.4	33.1	45.0	41.7	42.2	21	27.3	28.0	28.2	35.3	40.2	43.5	43.0	39.1
6	27.2	27.6	27.6	32.5	32.6	45.6	41.9	41.9	22	27.3	28.0	28.2	34.6	41.0	43.4	43.1	39.4
7	27.1	27.6	27.6	32.7	32.3	46.4	42.1	41.5	23	27.3	27.9	28.2	34.6	41.6	43.3	43.2	39.3
8	27.1	27.6	27.6	32.7	32.3	46.4	42.2	41.3	24	27.3	27.8	28.4	34.4	41.2	43.2	43.2	39.2
9	27.1	27.5	27.6	32.4	32.4	46.2	42.4	41.3	25	27.3	27.9	28.7	34.0	42.6	43.1	43.1	39.3
10	27.1	27.6	27.7	31.7	32.8	45.7	42.5	41.3	26	27.3	27.8	29.3	33.8	43.0	43.0	43.0	39.5
11	27.1	27.7	27.7	31.1	32.7	45.2	42.6	41.2	27	27.3	27.8	30.3	33.7	43.1	42.7	42.8	39.2
12	27.1	27.6	27.6	30.6	32.1	44.9	42.7	40.8	28	27.3	27.8	31.1	33.9	42.8	42.4	42.7	38.4
13	27.1	27.5	27.7	30.4	31.7	44.7	42.9	40.2	29	27.3	27.8	31.4		42.3	42.2	42.5	38.1
14	27.2	27.6	27.7	30.5	31.5	44.4	43.0	39.5	30	27.3	27.7	31.5		41.8	42.1	42.4	38.2
15	27.4	27.7	27.8	30.6	31.6	44.3	42.8	39.0	31		27.7	31.4		41.5		42.4	
16	27.3	27.7	27.9	30.4	33.3	44.1	42.6	38.4									

Crest Stages:							
	Date	1-30-58	2- 6-58	2-21-58	3-27-58	4- 7-58	6-26-58
	Time	6:00 PM	11:00 PM	2:30 AM	9:00 AM	3:45 PM	2:00 PM
	Stage	31.5	32.8	35.5	43.2	46.6	39.6

NR — No Record

TABLE 334

DAILY MEAN GAGE HEIGHT
TUOLUMNE RIVER AT LA GRANGE BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	169.5	169.9	168.9	169.0	171.3	174.5	172.8	172.6E	17	169.8	170.0	169.0	169.4	173.2	173.2	173.5E	168.9
2	169.4	170.4	169.1	168.9	171.2	174.5	172.7	172.5E	18	170.4	170.0	169.0	170.1	173.6	172.2	174.1E	170.6
3	169.3	170.4	169.1	169.0	171.2	174.6	172.7	172.4E	19	170.3	169.9	168.8	170.2	174.0	172.7	174.6E	173.4
4	169.6	170.5	169.0	169.0	171.3	174.7	173.7	173.3E	20	170.2	170.0	169.0	169.8	174.3	174.2	174.6E	175.0
5	169.6	170.4	169.0	169.0	171.2	174.7	174.2	169.7	21	170.2	170.1	169.0	169.8	174.6	174.2	174.6E	175.1
6	169.6	170.5	169.3	169.0	171.2	174.7	174.2	168.9	22	170.2	169.6	169.0	169.7	174.6	174.3	174.7E	175.1
7	170.0	170.4	169.1	169.0	171.3	174.6	172.8	168.9	23	170.1	170.1	169.0	169.6	174.5	174.1	174.7E	174.6
8	170.2	170.1	169.1	168.9	171.2	174.6	171.0	168.9	24	169.9	170.0	169.1	170.1	174.5	173.8	174.4E	174.1
9	170.0	170.8	169.1	168.8	171.3	174.6	171.0	168.9	25	170.3	169.5	169.0	170.8	174.5	173.7	174.2E	173.9
10	169.8	170.6	169.0	169.0	171.0	174.6	171.1	168.9	26	170.4	169.9	168.8	171.4	174.5	173.7	173.9E	172.7
11	170.2	170.3	169.0	169.0	170.5	174.5	172.2	168.5	27	170.3	170.2	168.7	171.3	174.2	173.7	173.0E	171.7
12	170.3	170.2	169.0	169.0	169.9	174.5	172.7	168.8	28	169.8	169.9	169.0	171.2	173.5	173.7	171.5E	171.4
13	170.4	170.4	169.0	169.0	170.0	174.4	172.6	168.7	29	170.2	169.5	169.0		172.5	174.1	170.8E	170.1
14	170.1	170.2	169.0	169.0	170.2	174.4	172.6E	168.6	30	170.2	170.0	169.0		172.2	173.6	171.0E	170.4
15	170.3	169.6	169.0	169.0	170.7	173.8	172.6E	168.6	31		169.7	169.0		173.8		172.4E	
16	170.0	170.1	169.0	169.0	172.1	174.0	172.6E	168.6									

Crest Stages:								
	Date	3-21-58	3-23-58	3-30-58	4- 1-58	4- 3-58	4-20-58	5-23-58E	6-21-58
	Time	7:00 PM	7:30 PM	11:00 PM	9:00 AM	6:00 PM	4:00 PM	10:00E AM	3:30 PM
	Stage	175.0	174.8	174.6	174.9	174.9	174.5	175.0E	175.2

NR — No Record E - Estimated

TABLE 335

DAILY MEAN GAGE HEIGHT
TUOLUMNE RIVER AT ROBERTS FERRY BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June
1	110.0	110.6	109.7	109.6	111.6	115.0	113.1	112.9	17	110.5	110.6	109.6	109.8	113.4	113.9	113.6	109.4
2	110.1	110.8	109.6	109.6	111.6	115.0	113.0	112.9	18	110.8	110.5	109.6	110.6	113.9	112.6	114.3	110.6
3	110.0	110.9	109.7	109.6	111.6	115.3	113.0	112.5	19	110.9	110.4	109.5	111.2	114.3	112.8	114.9	113.1
4	110.1	111.0	109.7	109.7	111.6	115.3	113.8	113.6	20	110.8	110.6	109.6	110.6	114.6	114.3	114.9	115.2
5	110.2	110.9	109.6	109.7	111.6	115.2	114.5	111.1	21	110.7	110.6	109.6	110.5	115.0	114.6	114.9	115.5
6	110.2	111.0	109.8	109.6	111.6	115.3	114.6	109.6	22	110.8	110.3	109.6	110.4	115.1	114.7	115.0	115.5
7	110.5	110.9	109.7	109.6	111.7	115.1	113.8	109.5	23	110.7	110.5	109.6	110.3	115.0	114.6	115.1	115.2
8	110.8	110.7	109.7	109.6	111.6	115.1	111.5	109.5	24	110.5	110.7	109.8	110.5	115.0	114.3	114.8	114.5
9	110.6	111.1	109.7	109.4	111.6	115.1	111.5	109.5	25	110.7	110.2	109.6	111.1	115.0	114.0	114.6	114.4
10	110.5	111.2	109.7	109.6	111.5	115.0	111.5	109.5	26	110.9	110.2	109.7	111.8	114.9	114.0	114.3	113.3
11	110.6	110.8	109.6	109.6	111.1	115.0	112.2	109.3	27	110.8	110.7	109.5	111.6	114.8	114.0	113.4	112.0
12	110.8	110.8	109.6	109.7	110.6	115.0	113.0	109.5	28	110.6	110.5	109.6	111.6	113.9	114.0	112.1	112.1
13	110.9	110.9	109.6	109.6	110.5	114.8	112.9	109.4	29	110.6	110.2	109.6		113.0	114.4	111.1	110.6
14	110.7	110.7	109.6	109.6	110.6	114.8	112.8	109.3	30	110.8	110.5	109.6		112.4	114.2	111.3	110.7
15	110.8	110.4	109.6	109.6	111.0	114.3	112.9	109.3	31		110.4	109.6		114.0		112.6	
16	110.6	110.5	109.6	109.6	112.5	114.4	112.9	109.3									

Crest Stages:								
	Date	3-21-58	4- 1-58	4- 3-58	4-21-58	5- 5-58	5-23-58	6-21-58	6-22-58
	Time	11:45 PM	1:00 PM	2:30 AM	12:15 AM	9:00 PM	3:00 PM	10:00 PM	5:00 PM
	Stage	115.5	115.4	115.5	114.9	114.7	115.3	115.6	115.6

NR — No Record

TABLE 336

DAILY MEAN GAGE HEIGHT
TUOLUMNE RIVER AT HICKMAN BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec	Jan.	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan	Feb.	Mar.	Apr.	May	June
1	74.6	75.4	74.5	74.2	76.6	80.1	78.0	77.9	17	75.3	75.4	74.2	74.2	78.4	79.0	78.4	73.7
2	74.8	75.5	74.1	74.2	76.5	80.0	77.9	77.8	18	75.4	75.3	74.2	75.2	79.1	77.5	79.2	75.0
3	74.7	75.7	74.3	74.2	76.5	80.3	77.9	77.3	19	75.7	75.2	74.1	76.0	79.4	77.5	79.8	77.6
4	74.7	75.8	74.3	74.3	76.5	80.4	78.6	78.5	20	75.6	75.3	74.1	75.4	79.7	79.2	79.8	80.0
5	74.9	75.8	74.2	74.4	76.5	80.2	79.4	76.4	21	75.5	75.4	74.1	75.2	80.1	79.6	79.8	80.3
6	74.9	75.8	74.3	74.2	76.5	80.3	79.5	74.1	22	75.6	75.2	74.2	75.1	80.3	79.6	80.0	80.4
7	75.2	75.8	74.4	74.2	76.6	80.1	79.0	74.0	23	75.5	75.1	74.1	75.0	80.1	79.5	80.0	80.1
8	75.6	75.6	74.2	74.2	76.5	80.1	76.3	74.0	24	75.4	75.5	74.4	75.1	80.1	79.3	79.7	79.4
9	75.4	75.8	74.2	74.0	76.6	80.0	76.2	74.0	25	75.4	75.1	74.3	75.8	80.0	79.0	79.6	79.3
10	75.2	76.0	74.4	74.1	76.5	80.0	76.2	74.0	26	75.6	74.8	74.3	76.7	80.0	79.0	79.2	78.3
11	75.2	75.6	74.2	74.1	76.0	79.9	76.9	73.8	27	75.6	75.4	74.1	76.6	79.9	79.0	78.4	76.9
12	75.6	75.6	74.2	74.2	75.5	79.9	78.0	73.9	28	75.5	75.3	74.0	76.5	79.0	79.0	77.0	77.0
13	75.7	75.6	74.1	74.2	75.3	79.8	77.8	73.9	29	75.2	75.0	74.2		78.2	79.3	75.9	75.4
14	75.5	75.5	74.2	74.2	75.4	79.7	77.8	73.7	30	75.6	75.0	74.2		77.4	79.3	76.0	75.3
15	75.6	75.2	74.1	74.2	75.8	79.3	77.8	73.7	31		75.2	74.2		78.9		77.4	
16	75.5	75.1	74.2	74.2	77.3	79.4	77.8	73.6									

Crest Stages:							
Date	3-22-58	4- 1-58	4- 3-58	4-21-58	4-29-58	5- 6-58	5-23-58	6-23-58
Time	3:00 AM	4:00 PM	5:30 AM	2:00 AM	10:30 PM	12:15 AM	1:00 AM	1:00 AM
Stage	80.6	80.4	80.5	79.8	79.6	79.6	80.3	80.4

NR — No Record

TABLE 337

DAILY MEAN GAGE HEIGHT
DRY CREEK NEAR MODESTO

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	69.0	68.9	69.0	70.2	69.5	76.8	69.1	69.1	17	69.0	69.1	68.2	69.0	78.6	69.0	69.1	68.8
2	69.0	69.0	69.0	69.4	69.3	80.5	69.0	69.2	18	69.0	69.3	68.2	69.0	72.5	69.3	69.3	68.8
3	69.0	68.9	69.0	70.8	69.1	81.6	68.9	69.2	19	69.0	69.7	68.2	76.5	70.6	69.8	69.2	68.8
4	69.0	68.9	69.0	73.9	68.9	80.7	69.0	68.9	20	69.0	69.4	68.2	80.9	69.7	69.6	69.0	68.8
5	69.0	69.0	69.0	73.1	68.8	77.7	69.0	68.9	21	69.0	69.2	68.2	73.0	70.5	69.6	69.0	69.0
6	69.0	69.0	69.0	73.1	68.7	77.4	69.0	69.1	22	69.0	69.1	68.1	71.0	79.2	69.3	69.0	68.9
7	69.0	69.0	69.0E	70.6	68.7	76.6	69.0	69.1	23	68.9	69.1	68.1	70.0	75.4	69.2	69.5	69.2
8	69.0	69.0	69.0E	69.8	68.6	72.7	69.0	69.1	24	69.0	69.0	68.9	69.5	74.4	69.1	69.7	69.1
9	69.0	69.0	69.0E	69.7	68.6	71.2	69.0	69.2	25	69.0	69.0	73.8	72.5	73.8	69.0	69.4	69.0
10	69.0	69.0	69.0E	69.3	68.6	70.3	69.3	69.0	26	69.0	69.0	72.6	74.4	71.0	69.0	69.4	69.0
11	69.0	69.0	69.0E	69.0	68.5	69.8	69.4	69.0	27	69.0	69.0	77.5	71.5	70.0	68.9	69.5	69.2
12	69.0	69.0	69.0E	69.0	68.5	69.5	69.4	69.0	28	68.9	69.0	73.6	70.1	69.9	69.0	69.5	69.0
13	69.0	69.1	69.0E	74.8	68.5	69.3	69.4	68.9	29	69.0	69.0	70.4		69.5	69.0	69.2	68.9
14	69.1	69.3	68.2	71.4	68.5	69.1	69.2	69.0	30	68.9	68.9	69.5		69.2	69.0	69.3	69.0
15	69.1	69.3	68.2	69.8	69.7	68.9	69.1	69.0	31		68.9	71.2		72.9		69.1	
16	69.0	69.1	68.2	69.2	80.4	69.4	69.0	68.9									

Crest Stages:							
Date	1-27-58	2- 5-58	2-20-58	3-16-58	3-22-58	4- 2-58	4- 3-58	4- 6-58
Time	10:45 AM	10:00 AM	4:30 AM	11:30 PM	5:00 PM	5:00 AM	8:00 PM	11:30 PM
Stage	78.1	80.4	85.1	84.3	82.1	83.2	85.5	81.1

NR — No Record E - Estimated

TABLE 338

DAILY MEAN GAGE HEIGHT
TUOLUMNE RIVER AT MODESTO

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	42.2	42.6	42.3	42.1	43.5	51.5	47.9	46.5	17	42.6	42.6	42.0	42.0	50.0	49.4	46.6	41.9
2	42.3	42.5	42.0	42.1	43.5	54.0	46.7	46.6	18	42.5	42.6	42.0	42.3	48.8	47.5	48.8	42.2
3	42.2	42.8	42.1	42.2	43.4	54.2	46.6	45.8	19	42.8	42.6	42.0	44.1	49.0	46.2	50.2	44.0
4	42.2	42.8	42.1	42.6	43.5	55.1	46.8	46.9	20	42.7	42.6	41.9	47.4	49.6	48.2	50.5	49.6
5	42.3	42.8	42.0	43.4	43.5	53.5	49.1	46.4	21	42.7	42.6	41.9	43.0	50.7	50.2	50.6	51.4
6	42.3	42.8	42.0	42.5	43.4	53.0	49.7	42.3	22	42.6	42.6	42.0	42.6	53.2	50.3	50.8	51.8
7	42.3	42.8	42.1	42.2	43.5	53.4	49.8	42.2	23	42.7	42.4	42.0	42.5	52.6	50.2	51.4	51.8
8	42.6	42.8	42.0	42.1	43.5	51.7	45.7	42.2	24	42.6	42.6	42.1	42.4	51.7	49.6	50.9	50.2
9	42.6	42.6	42.0	42.0	43.5	51.3	43.8	42.2	25	42.5	42.6	42.5	42.9	51.6	48.8	50.7	49.7
10	42.5	43.0	42.1	42.0	43.5	51.1	43.8	42.1	26	42.7	42.3	42.4	44.6	51.0	48.7	49.9	48.7
11	42.4	42.8	42.0	42.0	43.1	50.9	43.9	42.1	27	42.8	42.5	43.0	44.0	50.8	48.7	48.8	45.9
12	42.6	42.7	42.0	42.0	42.7	50.8	46.8	42.0	28	42.7	42.6	42.5	43.6	49.5	48.7	46.5	45.2
13	42.7	42.7	42.0	42.6	42.5	50.6	46.4	42.1	29	42.5	42.5	42.2		47.9	49.0	43.8	43.3
14	42.8	42.8	42.0	42.3	42.5	50.4	46.4	42.0	30	42.7	42.3	42.1		46.0	49.7	43.5	42.8
15	42.6	42.7	42.0	42.1	42.9	49.9	46.4	42.0	31		42.6	42.2		47.4		44.5	
16	42.7	42.4	42.0	42.0	47.1	49.6	46.4	41.9									

Crest Stages:								
	Date	2-20-58	3-17-58	3-22-58	4- 4-58	4-21-58	5- 7-58	5-23-58	6-23-58
	Time	8:30 AM	6:00 AM	9:30 PM	1:00 AM	9:00 AM	10:00 AM	9:00 AM	7:30 AM
	Stage	49.2	51.3	54.2	56.0	50.5	49.8	51.6	52.0

NR — No Record

TABLE 339

DAILY MEAN GAGE HEIGHT
TUOLUMNE RIVER AT TUOLUMNE CITY

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	29.8	31.0	30.3	29.6	33.1	40.6	39.8	39.0	17	30.8	30.8	29.0	29.1	NR	41.2	39.0	32.2
2	29.8	30.6	29.4	29.3	33.1	42.7	39.0	39.2	18	30.6	30.8	29.0	29.5	NR	40.6	39.8	31.2
3	29.8	31.1	29.2	29.3	NR	43.0	38.7	39.1	19	31.2	30.7	28.9	31.5	38.7	39.9	40.5	33.2
4	29.7	31.2	29.2	30.2	NR	43.8	38.7	39.1	20	31.2	30.6	28.7	36.2	39.1	40.3	41.0	37.5
5	29.9	31.4	29.2	31.4	NR	43.4	39.7	39.4	21	31.1	30.7	28.8	33.5	39.8	41.1	41.2	39.3
6	30.1	31.3	29.0	31.5	NR	43.2	40.3	37.4	22	31.0	30.8	28.8	31.9	41.0	41.2	41.3	40.6
7	30.1	31.4	29.3	30.0	NR	43.5	40.4	36.4	23	31.1	30.3	28.9	31.3	41.9	41.2	41.7	40.7
8	30.6	31.3	29.2	29.6	NR	43.1	39.1	35.8	24	30.9	30.6	29.2	31.0	41.4	40.9	41.6	40.0
9	31.0	30.9	29.1	29.4	NR	42.9	38.0	35.7	25	30.6	30.7	29.3	31.4	NR	40.5	41.4	39.4
10	30.8	31.6	29.2	29.1	NR	42.7	37.9	32.6	26	31.0	30.1	30.2	33.7	NR	40.4	41.2	39.0
11	30.5	31.6	29.1	29.1	NR	42.4	38.1	35.5	27	31.2	30.2	31.0	33.7	NR	40.3	40.7	37.5
12	30.8	31.2	29.0	29.1	NR	42.2	39.0	35.1	28	31.1	30.8	31.0	33.2	40.9	40.2	39.8	36.2
13	31.1	31.0	28.9	30.1	NR	42.0	39.3	34.6	29	30.6	30.5	29.8		40.0	40.1	38.6	35.6
14	31.3	31.3	28.9	30.3	NR	41.8	39.4	34.0	30	30.8	30.0	29.4		38.8	40.4	38.1	34.1
15	30.9	31.1	28.9	29.5	NR	41.6	39.3	33.5	31		30.4	29.5		38.6		38.2	
16	31.1	30.4	28.9	29.2	NR	41.3	39.2	33.0									

Crest Stages:								
	Date	12-10-57	1-28-58	2- 5-58	2-20-58	3-23-58	4- 4-58	5-23-58	6-23-58
	Time	3:00 PM	1:00 AM	9:30 PM	2:30 PM	8:30 AM	8:00 AM	2:00 PM	8:00 AM
	Stage	32.2	31.8	33.0	37.1	42.2	43.9	41.7	40.7

NR — No Record

TABLE 340

DAILY MEAN GAGE HEIGHT
SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	19.8	20.5	20.3	21.7	25.1	32.0	32.7	33.4	17	20.5	20.4	20.0	21.0	28.2	35.2	33.2	27.3
2	19.7	20.3	19.9	21.6	25.2	33.8	32.2	33.5	18	20.3	20.6	20.1	21.1	29.2	34.8	33.2	26.9
3	19.7	20.4	19.6	21.5	25.2	35.8	31.8	33.0	19	20.4	20.6	20.0	22.5	29.5	34.2	33.8	27.2
4	19.6	20.7	19.6	21.7	24.9	37.3	31.7	33.1	20	20.7	20.6	20.0	26.0	29.9	34.0	34.4	29.0
5	19.6	20.8	19.6	22.6	24.6	38.2	32.0	33.3	21	20.6	20.6	19.9	26.2	30.4	34.4	34.8	30.9
6	19.8	20.8	19.5	23.7	24.3	38.0	32.6	32.7	22	20.5	20.6	19.8	25.0	31.1	34.5	35.0	31.7
7	19.8	20.8	19.6	23.1	24.2	38.8	33.1	31.2	23	20.6	20.4	19.8	24.5	32.4	34.4	35.4	31.8
8	20.0	20.8	19.6	22.9	24.2	38.8	33.1	30.6	24	20.5	20.4	19.9	24.2	33.3	34.2	35.7	31.7
9	20.3	20.6	19.6	22.8	24.1	38.9	32.5	30.6	25	20.3	20.6	20.3	24.1	33.8	33.9	35.7	31.4
10	20.3	20.8	19.6	22.5	24.3	38.3	32.4	30.5	26	20.4	20.3	20.9	25.2	34.2	33.6	35.8	31.4
11	20.2	21.0	19.7	22.0	24.2	37.6	32.6	30.3	27	20.6	20.1	21.5	25.4	34.4	33.3	35.4	30.7
12	20.2	20.8	19.7	21.8	23.7	37.1	33.0	30.0	28	20.6	20.4	22.4	25.2	34.0	33.1	34.8	29.4
13	20.4	20.7	19.7	21.9	23.1	36.6	33.5	29.5	29	20.4	20.5	21.9		33.2	32.8	34.1	28.9
14	20.6	20.7	19.7	22.3	22.8	36.3	33.6	29.0	30	20.3	20.2	21.7		32.1	32.8	33.5	28.2
15	20.5	20.8	19.7	21.6	23.0	35.9	33.5	28.4	31		20.2	21.6		31.4		33.2	
16	20.5	20.5	19.9	21.2	24.4	35.5	33.4	28.0									

Crest Stages:								
	Date	3-27-58	4- 5-58	4- 7-58	4- 9-58	4-22-58	5-14-58	5-24-58	5-26-58
	Time	10:00 AM	1:00 PM	6:00 PM	1:00 AM	6:00 PM	11:00 AM	5:00 PM	1:00 PM
	Stage	34.5	38.4	39.1	39.0	34.6	33.6	35.8	35.8

NR — No Record

TABLE 341

DAILY MEAN GAGE HEIGHT
STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	1.7	1.7	1.4	4.2	5.7	9.7	5.3	7.5	17	1.7	1.8	4.2	4.3	5.4	7.4	10.8	8.0
2	1.7	1.7	1.4	2.9	5.7	12.3	5.7	4.9	18	1.7	1.8	4.0	4.6	5.0	7.5	10.2	9.0
3	1.7	1.7	1.4	3.6	5.1	14.8	6.7	10.2	19	1.7	1.7	3.9	5.2	5.4	7.7	9.8	8.5
4	1.7	1.7	1.4	5.7	5.1	14.6	7.6	9.7	20	1.7	1.7	3.1	4.5	5.4	7.5	10.4	9.5
5	1.7	1.7	1.4	5.3	5.4	10.8	8.2	8.6	21	1.7	1.5	2.6	5.4	5.7	7.2	10.7	9.3
6	1.7	1.7	1.4	4.9	5.6	8.6	9.1	4.3	22	1.7	1.6	2.6	5.2	7.5	7.2	9.6	7.7
7	1.6	1.7	1.4	5.6	5.6	8.5	9.9	7.2	23	1.7	1.6	2.6	4.0	9.2	7.1	9.4	7.5
8	1.7	1.7	2.8	5.6	5.6	7.4	9.1	8.0	24	1.7	1.6	2.2	4.5	9.7	6.4	9.1	7.6
9	1.7	1.7	3.2	5.6	5.5	7.2	11.2	7.8	25	1.7	1.6	1.9	6.7	10.6	5.8	8.4	8.0
10	1.7	1.7	3.4	5.4	5.5	7.4	10.7	7.4	26	1.7	1.5	2.6	5.8	8.8	5.2	9.4	6.1
11	1.7	1.7	3.5	5.5	5.3	7.4	10.3	7.4	27	1.7	1.5	2.4	5.4	7.5	5.3	9.9	4.8
12	1.7	1.7	3.9	5.8	5.3	7.2	10.2	6.9	28	1.7	1.5	1.9	5.2	6.6	5.6	10.0	5.7
13	1.7	1.7	3.3	5.0	5.4	7.4	9.4	6.4	29	1.7	1.5	1.8		4.2	6.0	10.5	5.7
14	1.7	1.7	4.0	3.0	5.4	6.7	10.0	6.4	30	1.7	1.4	2.7		5.3	5.8	11.1	5.0
15	1.7	1.7	4.7	2.1	5.6	7.4	9.7	6.5	31		1.4	3.5		6.4		10.9	
16	1.7	1.7	4.2	2.4	6.5	7.5	10.4	6.7									

Crest Stages:								
	Date	4- 3-58	5- 8-58	5- 9-58	5-11-58	5-12-58	5-14-58	5-17-58	5-30-58
	Time	8:00 PM	10:30 PM	5:30 PM	2:30 PM	2:00 PM	12:30 PM	1:00 AM	1:00 AM
	Stage	15.0	11.2	12.0	11.0	11.2	10.9	11.0	11.1

NR — No Record

TABLE 342

DAILY MEAN GAGE HEIGHT
STANISLAUS RIVER AT RIVERBANK

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec	Jan	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	73.2	73.1	72.9	76.2	77.4	81.8	77.6	82.9	17	73.1	73.2	76.3	76.4	77.6	79.6	83.7	80.1
2	73.2	73.1	73.0	76.0	77.6	84.7	77.7	78.0	18	73.1	73.3	76.0	76.4	77.1	79.6	84.5	82.0
3	73.1	73.1	72.9	74.7	77.4	87.4	78.3	82.6	19	73.1	73.3	76.1	77.4	77.3	80.0	85.2	81.1
4	73.1	73.1	72.9	77.5	77.1	87.7	79.7	83.0	20	73.1	73.2	75.9	76.6	77.5	79.8	84.9	82.1
5	73.1	73.2	72.9	77.6	77.3	85.5	80.1	82.2	21	73.1	73.1	74.8	77.5	77.5	79.6	84.3	82.7
6	73.1	73.2	72.9	77.2	77.5	81.1	81.2	78.7	22	73.1	73.0	74.8	77.2	78.9	79.6	85.1	80.6
7	73.1	73.1	72.9	77.2	77.5	81.8	82.4	79.6	23	73.1	73.0	74.7	76.6	81.3	79.6	86.1	80.4
8	73.1	73.1	74.0	77.6	77.6	79.8	81.3	81.0	24	73.1	73.1	74.2	76.1	81.7	79.1	85.9	80.1
9	73.1	73.1	75.2	77.5	77.5	79.5	83.5	80.9	25	73.1	73.0	74.1	78.6	83.0	78.6	86.9	80.8
10	73.1	73.1	75.5	77.5	77.4	79.8	83.8	80.3	26	73.1	73.0	74.3	78.0	81.9	78.0	86.4	79.5
11	73.1	73.1	75.7	77.4	77.3	79.6	83.0	80.3	27	73.1	73.0	75.0	77.6	79.9	77.6	85.4	77.2
12	73.1	73.1	75.8	77.7	77.3	79.4	83.1	79.8	28	73.1	73.0	73.9	77.3	79.6	77.7	85.4	78.2
13	73.1	73.1	76.0	77.5	77.3	80.0	82.3	79.2	29	73.1	73.0	73.5		77.8	78.1	85.0	78.2
14	73.2	73.1	75.7	75.9	77.3	79.2	82.5	79.1	30	73.1	73.0	73.5		77.9	78.0	84.2	77.9
15	73.2	73.2	76.4	74.4	77.4	79.6	82.4	79.1	31		72.9	75.2		78.7		84.2	
16	73.1	73.2	76.5	73.8	78.7	79.8	82.8	79.2									

Crest Stages:								
	Date	4- 4-58	5-10-58	5-11-58	5-12-58	5-19-58	5-23-58	5-25-58	6- 3-58
	Time	4:00 AM	1:00 AM	10:00 PM	8:30 PM	9:30 PM	5:30 AM	11:30 PM	1:30 PM
	Stage	87.9	84.3	83.4	83.5	85.4	86.5	87.1	83.5

NR – No Record

TABLE 343

DAILY MEAN GAGE HEIGHT
STANISLAUS RIVER AT RIPON

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	37.7	37.5	37.3	41.0	43.7	47.3	45.3	54.4	17	37.5	37.6	41.6	40.4	45.7	48.5	53.5	47.9
2	37.6	37.5	37.4	41.7	44.4	52.1	44.8	50.9	18	37.5	37.6	41.4	42.0	44.2	48.4	54.3	50.3
3	37.6	37.5	37.3	39.9	44.3	55.4	45.2	49.3	19	37.6	37.8	41.4	43.5	43.8	48.7	54.9	51.0
4	37.6	37.5	37.3	42.2	43.6	57.4	47.3	53.1	20	37.5	37.7	41.3	44.2	44.1	48.8	55.4	51.1
5	37.6	37.6	37.3	44.4	43.6	57.2	48.2	53.2	21	37.5	37.6	40.1	43.5	44.2	48.4	55.1	52.2
6	37.6	37.6	37.3	43.6	44.0	55.0	49.6	50.8	22	37.5	37.5	39.7	43.8	45.5	48.1	55.0	51.7
7	37.6	37.5	37.3	43.1	44.2	52.8	51.1	46.7	23	37.5	37.4	39.5	43.4	48.7	48.2	55.9	50.0
8	37.6	37.5	37.3	43.5	44.2	51.5	51.8	49.8	24	37.5	37.4	39.6	41.7	50.8	47.5	56.2	49.1
9	37.6	37.5	38.8	44.0	44.2	49.3	51.7	50.6	25	37.5	37.4	39.6	44.3	51.8	46.4	56.4	49.7
10	37.6	37.5	39.9	43.9	44.2	48.9	53.7	50.0	26	37.5	37.4	38.9	45.5	52.7	45.3	56.7	49.6
11	37.6	37.5	40.3	43.8	44.1	48.8	53.8	49.4	27	37.5	37.4	40.2	44.7	50.6	44.8	55.9	45.6
12	37.5	37.5	40.4	44.1	43.9	48.2	53.6	49.2	28	37.5	37.4	39.4	44.1	48.6	45.0	55.5	45.8
13	37.5	37.5	41.0	44.8	43.9	48.8	53.4	48.0	29	37.5	37.4	38.5		45.4	45.5	55.4	46.0
14	37.6	37.5	40.5	42.9	43.9	48.1	52.6	47.6	30	37.5	37.4	38.2		43.8	45.8	55.0	46.0
15	37.6	37.6	41.3	40.6	44.1	48.1	52.9	47.6	31		37.3	39.2		45.3		54.6	
16	37.6	37.6	42.1	39.4	45.5	48.4	52.9	47.6									

Crest Stages.								
	Date	2-25-58	3-16-58	3-26-58	4- 4-58	5-10-58	5-26-58	6- 5-58	6-22-58
	Time	9:00 PM	8:00 PM	11:30 AM	3:00 PM	9:00 PM	9:30 AM	6:00 AM	1:00 AM
	Stage	46.5	46.9	52.8	57.5	54.1	56.8	53.3	52.8

NR – No Record

TABLE 344

DAILY MEAN GAGE HEIGHT
SAN JOAQUIN RIVER NEAR VERNALIS

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan	Feb	Mar.	Apr.	May	June		Nov	Dec.	Jan	Feb	Mar	Apr	May	June
1	7.9	8.4	8.2	9.9	13.6	19.9	20.8	21.8	17	8.4	8.3	8.8	9.2	16.0	23.3	21.6	16.1
2	7.8	8.3	7.9	10.1	13.7	21.8	20.3	21.9	18	8.3	8.6	8.8	9.7	17.2	23.0	21.7	15.9
3	7.8	8.3	7.6*	9.9	13.8	23.8	19.9	21.2	19	8.3	8.6	8.7	10.9	17.3	22.5	22.2	16.3
4	7.7	8.6	7.6	9.9	13.4	25.4	19.9	21.3	20	8.6	8.6	8.6	14.1	17.8	22.3	22.7	17.6
5	7.7	8.7	7.5	11.2	13.1	NR	20.3	21.7	21	8.5	8.6	8.5	14.6	18.3	22.4	23.1	19.2
6	7.8	8.8	7.5	12.3	12.9	NR	20.8	21.3	22	8.5	8.6	8.2	13.6	18.9	22.5	23.3	20.0
7	7.9	8.8	7.5	11.8	12.8	NR	21.3	19.7	23	8.5	8.5	8.2	13.1	20.3	22.5	23.6	20.1
8	8.0	8.8	7.6	11.6	12.8	26.5	21.5	19.1	24	8.4	8.2	8.2	12.6	21.5	22.3	24.0	19.9
9	8.3	8.6	7.6	11.6	12.8	26.5	21.0	19.2	25	8.3	8.5	8.5	12.5	22.1	22.1	24.1	19.6
10	8.3	8.6	7.9	11.3	12.9	26.1	20.9	19.1	26	8.3	8.3	9.0	13.8	22.5	21.7	24.2	19.6
11	8.2	9.0	8.1	10.9	12.9	25.5	21.2	18.9	27	8.5	8.0	9.5	14.0	22.7	21.4	23.7	19.0
12	8.1	8.7	8.1	10.7	12.4	25.0	21.5	18.6	28	8.5	8.3	10.5	13.7	22.3	21.1	23.2	17.7
13	8.4	8.6	8.2	10.8	11.9	24.7	21.9	18.1	29	8.4	8.4	10.0		21.5	21.0	22.8	17.1
14	8.5	8.6	8.3	11.1	11.6	24.2	22.0	17.5	30	8.2	8.2	9.7		20.2	20.9	22.2	16.5
15	8.5	8.7	8.2	10.2	11.5	23.9	21.9	17.0	31		8.1	9.6		19.4		21.8	
16	8.5	8.6	8.6	9.5	12.6	23.6	21.8	16.6									

Crest Stages:							
Date	12-11-57	1-28-58	2- 6-58	2-14-58	3-27-58	4- 5-58	5-26-58
Time	2:00 AM	11:00 AM	8:30 AM	6:00 AM	10:00 AM	2:00 PM	4:00 PM
Stage	9.1	10.6	12.5	11.4	22.7	26.6	24.3

NR — No Record

TABLE 345

DAILY MEAN GAGE HEIGHT
CALAVERAS RIVER AT JENNY LIND

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June
1	1.4	1.6	1.8	3.8	4.8	9.1	2.8	2.6	17	1.8	2.5	2.1	3.1	2.5	2.3	2.8	2.8
2	1.4	1.6	1.9	3.3	3.7	10.3	2.8	2.6	18	1.7	2.9	2.1	2.0	2.2	2.3	2.8	2.8
3	1.4	1.6	2.0	6.6	2.2	12.4	2.8	2.7	19	1.7	3.3	2.0	3.5	2.2	2.2	2.8	2.8
4	1.4	1.6	2.0	6.8	2.1	11.6	2.8	2.7	20	1.7	2.7	2.0	2.6	2.8	2.2	2.8	2.8
5	1.4	1.6	2.0	7.3	1.7	10.8	2.9	2.7	21	1.7	2.4	2.0	3.2	4.4	2.3	2.8	2.9
6	1.4	1.6	1.9	6.3	1.6	10.9	2.9	2.7	22	1.7	2.3	1.9	3.4	5.1	2.3	2.8	2.8
7	1.4	1.6	1.9	4.8	1.6	10.5	2.9	2.7	23	1.6	2.6	1.9	3.4	6.7	2.4	2.8	2.8
8	1.4	1.6	1.9	4.8	1.6	10.1	2.9	2.8	24	1.6	2.4	2.3	4.4	6.9	2.5	2.8	2.8
9	1.5	1.7	1.8	4.3	1.6	9.2	2.9	2.8	25	1.6	2.2	3.7	7.6	6.6	2.6	2.8	2.8
10	1.5	1.7	2.1	4.1	1.6	7.7	2.9	2.8	26	1.6	2.1	5.7	7.4	6.6	2.6	2.7	2.8
11	1.5	1.7	2.8	4.1	1.6	7.5	2.9	2.8	27	1.6	2.0	7.3	6.6	6.5	2.7	2.7	2.8
12	1.5	1.6	2.8	5.6	1.6	5.7	2.9	2.9	28	1.6	2.0	5.5	5.9	6.4	2.7	2.7	2.9
13	1.5	1.6	2.5	7.0	1.7	2.3	2.9	2.9	29	1.6	1.9	3.6		6.2	2.8	2.7	2.9
14	1.6	1.6	2.4	5.7	1.7	2.3	2.9	2.9	30	1.6	1.9	4.4		6.6	2.8	2.7	2.9
15	1.7	1.7	2.3	4.2	2.0	2.3	2.9	2.9	31		1.9	4.8		6.9		2.6	
16	1.9	1.8	2.3	3.7	3.5	2.3	2.8	2.8									

Crest Stages:							
Date	12-19-57	1-27-58	2- 5-58	2-13-58	2-25-58	3-24-58	4- 3-58
Time	3:00 AM	1:30 AM	5:00 AM	7:00 AM	1:00 AM	6:30 AM	1:30 PM
Stage	3.6	7.6	7.2	7.2	8.3	7.3	13.2

NR — No Record

TABLE 346

DAILY MEAN GAGE HEIGHT
MOKELUMNE RIVER NEAR CLEMENTS

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	3.0	3.1	3.1	NR	5.6	10.2	5.1	11.4	17	3.1	3.0	3.7	5.8	8.2	6.2	6.5	9.8
2	3.1	3.0	3.8	NR	5.6	11.1	4.3	11.4	18	3.0	3.0	3.7	6.0	5.8	6.9	6.8	9.6
3	3.0	3.0	3.7	NR	5.6	12.9	4.3	11.4	19	3.0	3.0	3.7	6.6	4.8	7.1	7.1	9.7
4	3.0	3.0	3.7	NR	6.2	10.8	4.3	10.7	20	3.0	3.0	3.7	6.0	5.1	6.8	6.8	10.3
5	3.1	3.1	3.4	3.2	7.4	10.0	5.2	8.3	21	3.0	3.0	3.7	5.8	8.2	6.3	7.1	9.4
6	3.1	3.1	3.1	3.0	7.4	10.6	5.6	7.4	22	3.0	3.0	3.7	5.8	10.9	6.6	6.8	8.1
7	3.0	3.0	2.8	3.0	7.4	9.6	6.8	7.1	23	3.0	3.0	3.7	5.8	8.4	7.0	7.6	9.0
8	3.0	3.0	2.8	3.0	7.4	8.4	6.1	7.1	24	3.0	3.0	3.9	6.0	7.8	6.7	10.5	9.5
9	3.0	3.1	3.6	3.8	7.4	8.9	5.8	6.8	25	3.0	3.0	3.8	6.2	7.4	5.8	11.4	6.9
10	3.0	2.6	3.8	3.8	7.3	8.9	5.9	6.4	26	3.1	3.0	4.4	5.9	6.4	5.5	11.4	5.4
11	3.1	3.1	3.7	3.8	4.4	8.8	6.7	6.8	27	3.1	3.0	3.7	5.8	5.7	5.5	11.4	5.8
12	3.0	3.3	3.7	4.5	3.8	8.2	6.7	7.7	28	3.1	3.0	3.7	5.8	5.2	5.5	11.4	6.0
13	3.0	3.0	3.3	4.0	4.5	6.8	6.3	7.1	29	3.1	3.0	3.6		5.5	5.9	11.4	6.5
14	3.1	3.0	NR	4.4	4.8	6.3	5.8	7.1	30	3.1	3.0	3.9		6.6	5.6	11.4	6.0
15	3.0	3.0	NR	5.8	4.9	6.7	6.1	7.1	31		3.0	3.8		7.9		11.4	
16	3.1	3.0	3.7	5.8	6.8	6.2	6.4	7.8									

Crest Stages:							
Date	1-10-58	1-26-58	2-19-58	2-25-58	3-17-58	3-22-58	4- 3-58	6-21-58
Time	6:00 AM	3:30 PM	9:20 AM	1:00 AM	6:00 AM	6:30 AM	2:20 AM	2:30 AM
Stage	3.9	4.8	7.4	7.0	8.3	12.1	14.9	10.4

NR — No Record

TABLE 347

DAILY MEAN GAGE HEIGHT
MOKELUMNE RIVER AT WOODBRIDGE

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec.	Jan	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	6.9	7.2	7.1	8.0	11.9	16.2	11.1	21.1	17	6.9	7.3	8.3	11.8	15.0	13.9	12.5	15.1
2	7.0	7.3	7.9	6.3	11.7	19.4	9.6	21.5	18	6.9	7.3	8.4	11.9	14.9	13.9	12.8	17.0
3	7.0	7.1	8.4	6.4	11.7	21.7	9.2	21.6	19	7.0	7.3	8.4	12.8	11.2	15.1	13.4	17.8
4	6.8	7.1	8.4	6.4	11.8	22.4	9.2	21.6	20	9.4	7.2	8.4	12.8	10.7	15.2	13.2	18.2
5	6.7	7.1	8.2	6.6	13.8	21.0	9.8	20.7	21	7.6	7.2	8.4	12.2	13.0	14.2	13.2	18.9
6	6.8	7.2	7.9	7.2	14.7	20.2	10.8	17.8	22	7.3	7.2	8.4	12.0	17.6	13.8	13.9	18.1
7	6.8	7.3	7.0	7.0	14.7	20.2	12.1	15.7	23	7.3	7.2	8.4	12.0	18.5	13.0	14.1	16.4
8	6.6	7.2	6.8	7.1	14.8	19.5	12.5	15.0	24	7.3	7.2	8.6	12.0	17.0	14.2	15.3	16.8
9	6.5	7.1	7.4	7.5	14.8	18.1	11.8	14.5	25	7.3	7.2	8.7	12.8	15.8	13.2	18.4	17.2
10	6.4	7.2	8.4	8.4	14.8	18.3	11.4	13.5	26	7.3	7.2	9.0	12.4	14.8	11.7	20.6	13.8
11	6.5	6.9	8.5	8.5	13.1	18.4	12.2	13.2	27	7.2	7.2	9.1	12.2	13.3	11.7	21.1	11.3
12	6.6	7.6	8.4	8.9	9.4	18.2	12.8	14.1	28	7.2	7.2	8.4	12.1	12.3	11.4	21.2	11.7
13	6.6	7.4	8.4	9.4	9.4	17.0	12.8	14.7	29	7.2	7.1	8.3		11.6	11.9	21.4	12.7
14	6.8	7.2	7.2	8.7	10.4	14.8	11.9	14.3	30	7.2	7.1	8.4		12.5	11.8	21.0	12.5
15	7.0	7.2	6.7	10.8	10.5	14.5	11.6	14.3	31		7.2	8.7		15.0		20.2	
16	6.9	7.3	7.4	11.7	11.5	14.2	12.2	14.5									

Crest Stages								
Date	11-20-57	2-19-58	3-18-58	3-22-58	4- 3-58	4-24-58	5-29-58	6-21-58
Time	11:30 AM	9:30 PM	5:00 AM	11:20 PM	9:00 PM	5:30 AM	9:30 AM	1:30 PM
Stage	13.4	13.5	15.9	19.7	22.9	14.2	21.6	19.4

NR — No Record

TABLE 348

DAILY MEAN GAGE HEIGHT
COSUMNES RIVER AT MICHIGAN BAR

In feet

Date	1957		1958						Date	1957		1958					
	Nov	Dec.	Jan	Feb	Mar	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr	May	June
1	2.4	2.5	2.8	4.0	4.9	8.1	4.8	4.4	17	2.8	3.8	3.0	4.4	5.8	5.4	4.9	4.0
2	2.4	2.5	3.0	4.2	4.8	8.4	4.9	4.3	18	2.7	3.9	2.9	4.4	5.2	5.4	5.0	4.0
3	2.4	2.5	3.1	5.7	4.6	10.8	4.9	4.5	19	2.6	3.6	2.9	5.4	4.9	5.4	NR	4.0
4	2.4	2.5	3.0	5.2	4.5	7.8	5.0	4.3	20	2.7	3.2	2.9	5.1	5.0	5.4	NR	3.9
5	2.4	2.5	2.9	5.8	4.4	6.7	5.1	4.2	21	2.7	3.1	2.9	4.8	7.0	5.4	NR	3.8
6	2.4	2.5	2.8	5.0	4.3	7.2	5.2	4.2	22	2.6	3.3	2.8	4.7	7.8	5.4	4.9	3.8
7	2.4	2.5	2.8	4.8	4.3	6.3	5.1	4.1	23	2.6	3.2	2.8	4.6	6.7	5.4	5.0	3.7
8	2.5	2.5	2.8	4.8	4.2	5.8	5.1	4.1	24	2.5	3.0	3.4	5.1	6.9	5.2	4.9	3.7
9	2.5	2.5	2.8	4.7	4.2	5.6	5.1	4.1	25	2.5	2.9	4.0	7.0	6.2	NR	4.8	3.6
10	2.5	2.5	3.4	4.8	4.1	5.5	5.1	4.1	26	2.5	2.9	5.5	6.2	5.7	NR	4.7	3.5
11	2.5	2.5	3.7	4.6	4.1	5.4	5.1	4.1	27	2.5	2.8	5.0	5.5	5.4	NR	4.6	3.4
12	2.5	2.5	3.4	6.2	4.0	5.4	5.1	4.2	28	2.5	2.8	4.2	5.2	5.3	NR	4.6	3.4
13	2.5	2.5	3.2	5.6	4.2	5.4	5.0	4.2	29	2.5	2.8	4.0		5.2	4.9	4.5	3.3
14	2.8	2.5	3.2	5.0	4.5	5.4	4.8	4.0	30	2.5	2.9	5.0		7.6	4.8	4.4	3.3
15	3.3	2.6	3.1	4.8	5.2	5.4	4.8	4.0	31		2.8	4.4		6.4		4.4	
16	2.9	3.0	3.0	4.6	7.0	5.4	4.8	4.0									

Crest Stages:								
	Date	2-12-58	2-25-58	3-16-58	3-21-58	3-24-58	3-30-58	4- 3-58	4- 6-58
	Time	1:00 PM	6:00 AM	12:00 Mid.	10:00 PM	8:00 AM	1:00 PM	6:00 AM	5:00 AM
	Stage	7.0	7.3	7.9	8.8	7.2	8.8	12.2	8.1

NR — No Record

TABLE 349

DAILY MEAN GAGE HEIGHT
COSUMNES RIVER AT McCONNELL

In feet

Date	1957		1958						Date	1957		1958					
	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May	June		Nov	Dec.	Jan.	Feb	Mar	Apr.	May	June
1	30.4	30.6	30.9	33.1	35.1	40.5	33.9	33.0	17	31.2	31.9	31.1	33.8	40.4	35.2	34.2	32.2
2	30.3	30.6	31.2	32.7	34.6	44.1	34.0	32.8	18	31.0	32.2	31.1	33.6	36.3	35.3	34.3	32.2
3	30.3	30.6	31.4	37.0	34.3	45.4	34.1	33.0	19	30.9	32.4	31.1	36.8	35.3	35.3	34.4	32.2
4	30.2	30.6	31.3	36.7	34.0	44.8	34.3	33.1	20	30.8	31.6	31.0	37.5	34.7	35.3	34.4	32.1
5	30.2	30.6	31.2	36.8	33.7	41.7	34.5	32.8	21	30.9	31.3	31.0	35.1	38.1	35.3	34.3	31.9
6	30.2	30.6	31.0	36.0	33.5	40.6	34.7	32.6	22	30.9	31.3	30.9	34.4	42.2	35.3	34.2	31.8
7	30.4	30.6	30.9	34.7	33.4	40.2	34.8	32.5	23	30.8	31.6	30.9	34.0	41.9	35.2	34.5	31.7
8	30.8	30.6	30.9	35.7	33.2	37.4	34.6	32.4	24	30.8	31.3	31.1	34.0	40.6	34.9	34.5	31.6
9	30.9	30.6	30.9	34.8	33.2	36.2	34.6	32.4	25	30.7	31.1	32.8	39.5	39.5	34.6	34.2	31.5
10	30.9	30.6	31.2	34.6	33.0	35.7	34.7	32.3	26	30.7	31.1	34.5	39.9	37.6	34.3	33.9	31.3
11	30.9	30.6	31.9	34.4	32.9	35.4	34.7	32.3	27	30.7	31.0	37.7	37.1	36.6	34.2	33.7	31.2
12	30.9	30.6	31.9	36.2	32.8	35.3	34.8	32.5	28	30.7	31.0	34.4	35.9	36.1	34.1	33.6	31.1
13	31.0	30.6	31.5	39.1	33.0	35.2	34.5	32.5	29	30.6	31.0	32.7		35.8	34.0	33.4	31.1
14	31.1	30.6	31.4	35.9	33.2	35.2	34.2	32.4	30	30.6	31.0	35.5		38.3	34.0	33.2	31.0
15	31.6	30.6	31.3	34.8	36.0	35.2	34.0	32.2	31		31.0	35.1		42.0		33.1	
16	31.6	30.8	31.2	34.2	38.7	35.3	34.0	32.2									

Crest Stages:								
	Date	1-27-58	2- 3-58	2-13-58	2-25-58	3-17-58	3-22-58	3-31-58	4- 3-58
	Time	5:30 AM	9:00 PM	7:00 AM	12:00 Mid.	7:30 AM	9:00 PM	10:00 AM	5:00 PM
	Stage	38.6	38.8	39.9	40.7	41.4	44.0	43.1	46.1

NR — No Record

TABLE 350

SUMMARY OF WATER UTILIZATION OF SACRAMENTO-SAN JOAQUIN VALLEY

	Year	Acreage Irrigated			Seasonal Diversion Mar.-Oct. Acre-Feet	Irrigation Draft July Average c.f.s.	Seasonal Gross Duty of Water		Unimpaired Runoff in % of Average (a)
		Rental	Rice	Total			Ac.-Ft. per Acre	Acres per Sec.-Ft.	Sacto. R. near Red Bluff
Sacramento River Sacramento to Redding (b)	1949	144400	137400	281800	1840000	6254	6.5	74	75
	1950	152800	108500	261300	1761000	5850	6.7	72	71
	1951	162200	140800	303000	1939000	6561	6.4	76	113
	1952	142900	139100	282000	1771000	5897	6.3	77	143
	1953	134900	164600	299500	1986000	6731	6.6	73	120
	1954	139800	184900	324700	2057000	7199	6.3	77	115
	1955	165700	136400	302100	2062000	6706	6.8	71	70
	1956	155600	122600	278200	1816000	6332	6.5	74	164
	1957	165800	106100	271900	1769000	6168	6.5	75	89
	1958	162000	120900	282900	1648000	6151	5.8	83	188
	Average	152600	136100	288700	1865000	6385	6.5	75	115
									Sacto. R. near Red Bluff
Colusa Basin Drain	1949	4412	14560	18970	159700	540	8.4 c	58 c	75
	1950	8160	11080	19240	172400	556	9.0	54	71
	1951	6908	13640	20550	203700	659	9.9	49	113
	1952	7842	13180	21020	235300	814	11.2	43	143
	1953	6587	17410	24000	254200	902	10.6	46	120
	1954	5280	16990	22270	270500	1002	12.1	40	115
	1955	8670	10970	19640	225000	753	11.5	42	70
	1956	9756	9336	19090	190200	661	10.0	49	164
	1957	11290	7569	18860	169000	566	9.0	54	89
	1958	8989	6763	15750	154300	591	9.8	50	188
	Average	7789	12150	19940	203400	704	10.2	48	115
									Sacto. R. near Red Bluff
Yolo Bypass and Knights Landing Ridge Cut	1949	1740	2150	3890	34550	83	8.9	55	75
	1950	1646	1925	3571	29250	84	8.2	59	71
	1951	3649	3360	7009	40690	141	5.8	84	113
	1952	3767	540	4307	12180	41	2.8	172	143
	1953	2507	2245	4752	23520	80	4.9	98	120
	1954	3956	2850	6806	44900	192	6.6	74	115
	1955	5114	3087	8201	41400	162	5.0	96	70
	1956	4975	1810	6785	23390	103	3.4	141	164
	1957	6029	1042	7071	22500	104	3.2	153	89
	1958	4337	699	5036	10200	48	2.0	240	188
	Average	3772	1971	5743	28260	104	4.9	99	115
									Feather R. near Oroville
Lower Butte Creek and Butte Slough	1949	7136	1875	9011	65230	205	7.2	67	59
	1950	7195	1537	8732	50450	187	5.8	84	87
	1951	6984	1702	8686	53420	206	6.2	79	128
	1952	8656	2850	11510	52350	181	4.5	107	179
	1953	6944	2563	9507	49370	218	5.2	94	117
	1954	8173	3883	12060	63770	247	5.3	92	95
	1955	8366	3177	11540	54840	226	4.8	102	56
	1956	8517	2897	11410	50390	192	4.4	110	180
	1957	11020	1810	12830	38630	117	3.0	161	82
	1958	10300	1313	11610	32140	98	2.8	176	156
	Average	8329	2361	10690	51060	188	4.8	102	114

a Unimpaired runoff reported for the water year, October through September.
b Excluding municipal diversions, the City of Redding and the City of Sacramento.
c Includes water pumped by cooperative plants as part of the supply for acreage included with that shown for Sacramento River, Sacramento to Redding.

TABLE 350

SUMMARY OF WATER UTILIZATION OF SACRAMENTO-SAN JOAQUIN VALLEY (continued)

	Year	Acreage Irrigated			Seasonal Diversion Mar.-Oct. Acre-Feet	Irrigation Draft July Average c.f.s.	Seasonal Gross Duty of Water		Unimpaired Runoff in % of Average (a)
		General	Rice	Total			Ac.-Ft. per Acre	Acres per Sec.-Ft.	Feather R. near Oroville
East and West Borrow Pits of Sutter Bypass and Sacramento Slough	1949	8303	6184	14490	77570	252	5.4	91	59
	1950	11650	4479	16130	89150	324	5.5	88	87
	1951	11120	6114	17230	103200	405	6.0	81	128
	1952	10060	5575	15640	78380	284	5.0	97	179
	1953	11080	7446	18530	109700	440	5.9	82	117
	1954	11420	7993	19410	125300	477	6.5	75	95
	1955	11580	6183	17760	108000	393	6.1	80	56
	1956	11750	4906	16660	94780	369	5.7	85	180
	1957	13760	3706	17470	88220	341	5.0	96	82
	1958	16830	3098	19930	78070	319	3.9	124	156
	Average	11760	5568	17330	95240	361	5.5	88	114
									Feather R. near Oroville
Feather River Mouth to Oroville	1949	31020	51130	82150	716300	2241	8.7	56	59
	1950	34010	41330	75340	662100	2229	8.8	55	87
	1951	31180	56500	87680	727300	2319	8.3	59	128
	1952	30290	57890	88180	727400	2438	8.2	59	179
	1953	29060	64120	93180	791800	2642	8.5	57	117
	1954	28960	64780	93640	757100	2612	8.1	60	95
	1955	34430	47710	82140	733000	2178	8.9	54	56
	1956	32950	43570	76520	706000	2259	9.2	53	180
	1957	37080	36570	73650	644800	2152	8.8	56	82
	1958	35550	42270	77820	645500	2225	8.3	59	156
	Average	32440	50590	83030	711100	2330	8.6	57	114
									Yuba R. at Smartville
Yuba River Mouth to Smartville	1949	8838	3300	12140	106800	316	8.8	55	64
	1950	10000	2641	12640	127400	342	10.1	48	96
	1951	9635	3415	13050	110300	313	8.5	57	153
	1952	9803	3603	13410	131800	362	9.8	49	178
	1953	9116	5304	14420	133100	362	9.2	53	110
	1954	8637	6080	14720	140600	448	9.6	51	83
	1955	9102	4692	13790	143100	512	10.4	47	55
	1956	9872	4842	14710	161500	476	11.0	44	171
	1957	9314	4644	13960	161800	493	11.6	42	84
	1958	9574	4608	14180	151500	470	10.7	45	152
	Average	9389	4313	13700	136800	409	10.0	49	115
									American R. at Fair Oaks
American River Mouth to Fair Oaks (b)	1949	865		865	2249	10	2.6	187	68
	1950	680		680	1717	7	2.5	192	98
	1951	1034		1034	2009	9	1.9	250	171
	1952	1006		1006	1676	8	1.7	292	183
	1953	945		945	1543	8	1.6	298	98
	1954	907		907	1199	7	1.3	368	74
	1955	818		818	899	5	1.1	442	58
	1956	906		906	1150	6	1.3	383	172
	1957	979		979	1142	6	1.2	417	80
	1958	778		778	816	4	1.0	463	150
	Average	892		892	1440	7	1.6	301	115
									Sacto. R. at Sacramento
Sacramento River System Sacramento River and Tributaries (c)	1949	206700	216600	423300	3002000	9901	7.1	69	68
	1950	226100	171500	397600	2893000	9584	7.3	67	82
	1951	232700	225500	458200	3180000	10610	6.9	70	131
	1952	214300	222700	437000	3010000	10020	6.9	71	163
	1953	201100	263700	464800	3349000	11380	7.2	67	115
	1954	207000	287500	494500	3460000	12180	7.0	69	100
	1955	243800	212200	456000	3368000	10940	7.4	66	63
	1956	234300	190000	424300	3043000	10400	7.2	68	171
	1957	255300	161400	416700	2895000	9947	6.9	70	85
	1958	248400	179700	428100	2721000	9906	6.4	76	169
	Average	227000	213100	440100	3092000	10490	7.0	69	115

a Unimpaired runoff reported for the water year, October through September.
b Excluding diversion and acreage of Carmichael Irrigation District.
c Excluding municipal diversions, the City of Redding and the City of Sacramento the diversion and acreage of Carmichael Irrigation District.

TABLE 350

SUMMARY OF WATER UTILIZATION OF SACRAMENTO-SAN JOAQUIN VALLEY (continued)

	Year	Acreage Irrigated			Seasonal Diversion Mar.-Oct. Acre-Feet	Irrigation Draft July Average c.f.s.	Seasonal Gross Duty of Water		Unimpaired Runoff in % of Average (a)
		General	Rice	Total			Ac.-Ft. per Acre	Acres per Sec.-Ft.	San Joaquin R. near Vernalis
Old River Delta Uplands (b)	1949	42190		42190	108300	332	2.6	189	66
	1950	40230		40230	116300	362	2.9	168	81
	1951	40110		40110	105200	344	2.6	185	126
	1952	38560		38560	94770	334	2.5	198	167
	1953	41260		41260	118800	355	2.9	169	75
	1954	40740		40740	131200	393	3.2	151	74
	1955	41520		41520	130600	405	3.1	154	61
	1956	41660		41660	118600	400	2.8	171	171
	1957	42350		42350	123900	415	2.9	166	75
	1958	37970		37970	97870	369	2.6	189	143
	Average	40660		40660	114600	371	2.8	172	104
									San Joaquin R. near Vernalis
Tom Paine Slough Delta Uplands	1949	5207	383	5590	23300	70	4.2	117	66
	1950	5221	364	5585	20420	63	3.7	133	81
	1951	4745	411	5156	22590	71	4.4	111	126
	1952	5213		5213	18820	68	3.6	135	167
	1953	5387		5387	21340	65	4.0	123	75
	1954	5467		5467	22840	73	4.2	116	74
	1955	5518		5518	23020	66	4.2	116	61
	1956	5429		5429	20960	57	3.9	126	171
	1957	5107		5107	21920	68	4.3	113	75
	1958	5201		5201	17290	61	3.3	146	143
	Average	5250	116	5366	21250	66	4.0	123	104
									San Joaquin R. near Vernalis
San Joaquin River Delta Uplands Stockton to Vernalis	1949	26950		26950	78640	243	2.9	167	66
	1950	26600		26600	84640	277	3.2	153	81
	1951	26610		26610	74880	242	2.8	173	126
	1952	24750		24750	58710	199	2.4	205	167
	1953	27270		27270	85770	295	3.1	155	75
	1954	27360		27360	87550	299	3.2	152	74
	1955	27630		27630	94090	301	3.4	143	61
	1956	27400		27400	74240	266	2.7	179	171
	1957	28370		28370	85730	291	3.0	161	75
	1958	26350		26350	62390	223	2.4	205	143
	Average	26930		26930	78660	264	2.9	166	104
									San Joaquin R. near Vernalis
San Joaquin River Vernalis to Fremont Ford Bridge	1949	45780	625	46400	166900	551	3.6	135	66
	1950	48110	390	48500	175100	537	3.6	135	81
	1951	48740	730	49470	172700	571	3.5	139	126
	1952	47390	623	48010	147300	508	3.1	158	167
	1953	51640	1501	53140	205900	673	3.9	125	75
	1954	49990	2479	52470	200900	618	3.8	127	74
	1955	50840	722	51560	193200	595	3.7	130	61
	1956	52030	540	52570	171300	556	3.3	149	171
	1957	52880		52880	193300	666	3.7	133	75
	1958	50020	385	50400	122900	444	2.4	199	143
	Average	49740	800	50540	175000	572	3.5	140	104
									Merced R. at Exchequer
Merced River Mouth to Snelling (c)	1949	7941		7941	25640	92	3.2	151	65
	1950	7912		7912	23880	78	3.0	161	73
	1951	8088		8088	22210	78	2.7	177	124
	1952	7465		7465	18120	64	2.4	200	160
	1953	7431		7431	29700	103	4.0	122	93
	1954	8394		8394	29260	113	3.5	139	68
	1955	8580		8580	30330	99	3.5	137	54
	1956	8069		8069	22880	87	2.8	171	172
	1957	8048		8048	29240	110	3.6	134	66
	1958	7822		7822	21140	84	2.7	180	143
	Average	7975		7975	25240	91	3.2	154	99

a Unimpaired runoff reported for the water year, October through September.
b Excluding diversions and acreage irrigated by Delta-Mendota and Contra Costa Canals.
c Excluding diversion and acreage of Merced Irrigation District.

TABLE 350

SUMMARY OF WATER UTILIZATION OF SACRAMENTO-SAN JOAQUIN VALLEY (continued)

	Year	Acreage Irrigated			Seasonal Diversion Mar.-Oct. Acre-Feet	Irrigation Draft July Average c.f.s.	Seasonal Gross Duty of Water		Unimpaired Runoff in % of Average (a)
		General	Rice	Total			Ac.-Ft. per Acre	Acres per Sec.-Ft.	Tuolumne R. near La Grange
Tuolumne River	1949	4406		4406	6440	18	1.5	332	68
	1950	4690		4690	6100	18	1.3	374	84
Mouth	1951	4497		4497	4615	14	1.0	474	134
	1952	4788		4788	5075	18	1.1	458	165
to	1953	5283	120	5403	11350	34	2.1	231	83
	1954	5758	140	5898	14610	50	2.5	196	78
La Grange Dam	1955	6289		6289	14430	45	2.3	212	61
	1956	5979		5979	8369	26	1.4	347	178
(b)	1957	5981		5981	12600	46	2.1	231	77
	1958	5714		5714	8943	30	1.6	310	143
	Average	5338	26	5364	9253	30	1.7	282	107
									Stanislaus R. below Melones
Stanislaus River	1949	8548		8548	33970	106	4.0	122	64
	1950	8445		8445	33390	102	4.0	123	93
Mouth	1951	8336		8336	34660	99	4.2	117	146
	1952	7769		7769	30240	91	3.9	125	165
to	1953	8904		8904	42540	136	4.8	102	83
	1954	9289		9289	44110	129	4.7	102	77
Goodwin Dam	1955	10040		10040	46090	134	4.6	106	59
	1956	9144		9144	42010	131	4.6	106	162
(c)	1957	10060		10060	47110	148	4.7	104	75
	1958	9582		9582	37970	128	4.0	123	143
	Average	9012		9012	39210	120	4.4	112	107
									San Joaquin R. near Vernalis
San Joaquin River System	1949	141000	1008	142000	443200	1412	3.1	156	66
	1950	141200	754	142000	459800	1437	3.2	150	81
San Joaquin River	1951	141100	1141	142200	436900	1419	3.1	158	126
	1952	135900	623	136500	373000	1282	2.7	178	167
Stockton to Fremont Ford	1953	147200	1621	148800	515400	1661	3.5	140	75
	1954	147000	2619	149600	530500	1675	3.5	137	74
Bridge and Tributaries	1955	150400	722	151100	531800	1645	3.5	138	61
	1956	149700	540	150200	458400	1523	3.1	159	171
(d)	1957	152800		152800	513800	1744	3.4	145	75
	1958	142700	385	143100	368500	1339	2.6	189	143
	Average	144900	941	145800	463100	1514	3.2	153	104
									Sacramento R. and San Joaquin R. to Delta
Combined above Delta									
Sacramento River	1949	347700	217600	565300	3445000	11310	6.1	80	68
	1950	367300	172200	539500	3353000	11020	6.2	78	83
and Tributaries	1951	373900	226700	600600	3617000	12030	6.0	81	131
	1952	350300	223300	573600	3383000	11310	5.9	82	164
and	1953	348300	265300	613600	3864000	13040	6.3	77	104
	1954	354000	290100	644100	3990000	13860	6.2	78	92
San Joaquin River	1955	394200	212900	607100	3900000	12580	6.4	76	62
	1956	384000	190500	574500	3501000	11920	6.1	80	171
Stockton to Fremont Ford	1957	408000	161400	569400	3409000	11690	6.0	81	80
Bridge and Tributaries	1958	391100	180100	571200	3090000	11240	5.4	90	163
(e)	Average	371900	214000	585900	3555000	12000	6.1	80	112

a Unimpaired runoff reported for the water year, October through September.
b Excluding diversions and acreage of Modesto, Turlock, and Waterford Irrigation Districts.
c Excluding diversions and acreage of South San Joaquin Irrigation District and Oakdale Irrigation District Main Canals.
d Excluding diversions and acreage irrigated by: Delta-Mendota and Contra Costa Canals; Merced, Modesto, Turlock, Waterford, and South San Joaquin Irrigation Districts; and Oakdale Irrigation District Main Canals.
e Excluding municipal diversions, the City of Redding and the City of Sacramento, and the diversions and acreage irrigated by: Delta-Mendota and Contra Costa Canals; Carmichael, Merced, Modesto, Turlock, Waterford, and South San Joaquin Irrigation Districts; and Oakdale Irrigation District Main Canals.

TABLE 351

AVERAGE MONTHLY DIVERSIONS FROM SACRAMENTO-SAN JOAQUIN VALLEY STREAMS

In per cent of seasonal average

	Period of Seasonal Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
SACRAMENTO VALLEY									
Sacramento River - Sacramento to Redding	1949 to 1958	0.4	8.8	17.6	18.6	21.0	19.6	10.0	4.0
Feather River - Mouth to Oroville	1949 to 1958	0.5	7.5	19.1	19.4	20.1	17.9	9.9	5.6
Yuba River - Mouth to Smartville	1949 to 1958	0.4	7.2	17.0	17.5	18.4	17.5	12.7	9.3
American River - Mouth to Fair Oaks	1949 to 1958	0.3	2.7	9.2	21.5	25.5	20.9	14.1	5.8
DELTA UPLANDS									
Old River	1949 to 1958	3.2	11.1	14.9	18.2	19.9	17.7	10.9	4.3
Tom Paine Slough	1949 to 1958	3.9	10.7	12.8	15.8	19.1	19.6	13.0	5.1
San Joaquin River - Stockton to Vernalis	1949 to 1958	4.3	13.7	13.1	16.3	20.5	17.6	10.3	4.1
SAN JOAQUIN VALLEY									
San Joaquin River - Vernalis to Fremont Ford Bridge	1949 to 1958	5.3	13.3	14.2	16.8	20.1	17.1	10.4	2.7
Merced River - Mouth to Snelling	1949 to 1958	2.8	7.8	12.3	18.1	22.2	18.8	12.8	5.2
Tuolumne River - Mouth to La Grange Dam	1949 to 1958	4.4	9.0	12.3	17.4	19.8	20.1	11.9	5.1
Stanislaus River - Mouth to Goodwin Dam	1949 to 1958	3.7	9.9	13.6	17.1	18.9	18.3	12.4	6.0

TABLE 352

COMPARATIVE MONTHLY DIVERSIONS
SACRAMENTO RIVER - SACRAMENTO TO REDDING

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	2389	167400	344800	349500	390100	359900	173400	85390	1873000
1950	3072	187700	336800	321300	365500	333200	172900	73770	1794000
1951	6356	252700	303000	381000	409100	373900	177300	69990	1973000
1952	2469	110000	319600	339600	368100	370300	213300	81220	1805000
1953	14100	232600	317200	330700	419900	390300	226000	87430	2018000
1954	2935	96490	402200	407500	448900	409600	242000	81310	2091000
1955	30840	247800	360100	378200	417900	395700	183400	81860	2096000
1956	13410	157400	307100	350200	395300	369700	175700	82770	1852000
1957	3505	199800	311500	341100	385800	357100	180400	25200	1804000
1958	2682	26590	346800	331600	384200	357900	149400	85230	1684000
Average Acre-Feet	8176	167800	334900	353100	398500	371800	189400	75420	1899000
Average c.f.s.	133	2820	5446	5934	6481	6047	3183	1227	3908
Average monthly diversion in per cent of seasonal average	0.4	8.8	17.6	18.6	21.0	19.6	10.0	4.0	

a See 1948 Water Supervision Report for prior years.

TABLE 353

COMPARATIVE MONTHLY DIVERSIONS
FEATHER RIVER - MOUTH TO OROVILLE

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	0	57400	146300	141300	137800	126700	59330	47400	716200
1950	164	35170	138400	134100	137000	114000	65200	38080	662100
1951	18	94370	131400	141600	142600	124000	60440	32880	727300
1952	0	29180	131900	142300	149900	140100	91830	42180	727400
1953	9443	68610	143800	145400	162400	139700	83990	38430	791800
1954	0	14830	140900	155700	160600	142000	94980	48160	757200
1955	7754	92380	139700	140100	134000	118200	61150	39740	733000
1956	12590	65670	125400	128700	138900	126300	67260	41180	706000
1957	5221	63590	125000	123400	132300	115200	61390	18610	644700
1958	0	12690	134500	127800	136800	125200	59340	49140	645500
Average Acre-Feet	3519	53390	135700	138000	143200	127100	70490	39580	711100
Average c.f.s.	57	897	2207	2319	2329	2067	1185	644	1463
Average monthly diversion in per cent of seasonal average	0.5	7.5	19.1	19.4	20.1	17.9	9.9	5.6	

a See 1948 Water Supervision Report for prior years.

TABLE 354

COMPARATIVE MONTHLY DIVERSIONS
YUBA RIVER - MOUTH TO SMARTVILLE

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	0	9062	18930	17290	19420	17890	13340	10920	106900
1950	0	7306	22080	20740	21020	20370	19400	16460	127400
1951	0	13220	20510	19880	19270	17760	12480	7202	110300
1952	0	5959	22830	22540	22230	22620	20060	15580	131800
1953	2	10930	23350	23370	22270	22460	19740	10990	133100
1954	15	0	23630	26960	27570	26510	21090	14780	140600
1955	926	13520	20780	27270	31460	26820	14130	8246	143200
1956	959	18110	26570	26730	29240	27750	18280	13860	161500
1957	1895	15500	25340	29200	30300	29780	18670	11110	161800
1958	1090	4560	28100	25970	28900	27930	16510	18440	151500
Average Acre-Feet	489	9817	23210	24000	25170	23990	17370	12760	136800
Average c.f.s.	8	165	377	403	409	390	292	208	282
Average monthly diversion in per cent of seasonal average	0.4	7.2	17.0	17.5	18.4	17.5	12.7	9.3	

a See 1948 Water Supervision Report for prior years.

TABLE 355

COMPARATIVE MONTHLY DIVERSIONS
AMERICAN RIVER - MOUTH TO FAIR OAKS

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	0	58	574	1269	1448	1239	724	200	5512
1950	9	128	546	1096	1110	819	584	307	4599
1951	4	52	450	1194	1297	1404	829	217	5447
1952	0	20	439	824	1073	810	583	204	3953
1953	62	117	227	936	1386	1100	706	328	4862
1954	20	262	671	1597	1927	1239	1092	446	7254
1955	25	120	264	1094	1278	998	642	290	4711
1956	31	238	564	1428	1683	1405	945	467	6761
1957	43	367	536	1624	1825	1425	821	169	6810
1958	0	161	941	1156	1486	1416	1094	686	6940
Average Acre-Feet	19	152	521	1222	1451	1186	802	331	5685
Average c.f.s.	0	3	8	21	24	19	13	5	12
Average monthly diversion in per cent of seasonal average	0.3	2.7	9.2	21.5	25.5	20.9	14.1	5.8	

a See 1948 Water Supervision Report for prior years.

TABLE 356

COMPARATIVE MONTHLY DIVERSIONS
OLD RIVER* - DELTA UPLANDS

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	343	16000	19760	18890	20410	16130	10720	6026	108300
1950	6009	15320	18830	18630	22270	19020	12010	4258	116300
1951	202	9746	18250	21020	21130	19780	11330	3706	105200
1952	3	2613	16900	19370	20560	18570	10760	5992	94770
1953	11190	16170	15310	17470	21800	19670	12690	4446	118700
1954	6164	17970	19950	22630	24150	19950	13160	7271	131200
1955	4536	16160	16800	24520	24120	23040	15510	5863	130500
1956	5840	10620	15920	23340	24620	22060	12210	3982	118600
1957	2377	20340	14000	22920	25490	23110	13430	2280	123900
1958	0	1810	15060	19480	22720	20810	12960	5034	97870
Average Acre-Feet	3666	12670	17080	20830	22730	20210	12480	4886	114500
Average c.f.s.	60	213	278	350	370	329	210	79	236
Average monthly diversion in per cent of seasonal average	3.2	11.1	14.9	18.2	19.9	17.7	10.9	4.3	

* Excluding diversions by Delta-Mendota and Contra Costa Canals.
a See 1948 Water Supervision Report for prior years.

TABLE 357

COMPARATIVE MONTHLY DIVERSIONS
TOM PAINE SLOUGH - DELTA UPLANDS

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	155	3534	3114	3570	4324	4017	3226	1362	23300
1950	737	2286	3081	3163	3860	3542	2601	1147	20420
1951	81	2321	3434	3581	4371	4653	3261	886	22590
1952	27	1309	3639	2766	4198	3658	2253	972	18820
1953	2138	2674	1944	3019	3967	3973	2651	972	21340
1954	1394	2711	2588	3627	4515	4155	2477	1371	22840
1955	1290	2139	2625	3785	3925	4723	3320	1217	23020
1956	1686	1563	2168	3671	3532	4048	2881	1415	20960
1957	836	3459	1674	3661	4205	4695	2581	806	21920
1958	0	668	2968	2746	3774	4135	2320	683	17290
Average Acre-Feet	834	2266	2724	3359	4067	4160	2757	1083	21250
Average c.f.s.	14	38	44	56	66	68	46	18	44
Average monthly diversion in per cent of seasonal average	3.9	10.7	12.8	15.8	19.1	19.6	13.0	5.1	

a See 1948 Water Supervision Report for prior years.

TABLE 358

COMPARATIVE MONTHLY DIVERSIONS
SAN JOAQUIN RIVER - DELTA UPLANDS - STOCKTON TO VERNALIS

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	1227	13430	11890	13140	14930	12380	7857	3768	78620
1950	5746	13090	12200	11860	17050	13270	7855	3558	84630
1951	279	12240	11480	13350	14860	12650	6840	3181	74880
1952	6	3791	10320	9465	12250	12350	7128	3401	58710
1953	8000	13550	8883	10600	18110	14630	8835	3162	85770
1954	6711	11820	9550	14980	18360	13280	8677	4164	87540
1955	5806	12270	10770	16350	17930	16820	10380	3767	94090
1956	4792	9271	7758	13120	16380	13160	7387	2382	74250
1957	1333	16970	9182	15110	17900	16040	7625	1570	85730
1958	32	1263	10920	10530	13740	14250	8305	3346	62390
Average Acre-Feet	3393	10770	10300	12850	16150	13880	8089	3230	78660
Average c.f.s.	55	181	168	216	263	226	136	53	162
Average monthly diversion in per cent of seasonal average	4.3	13.7	13.1	16.3	20.5	17.6	10.3	4.1	

a See 1948 Water Supervision Report for prior years.

TABLE 359

COMPARATIVE MONTHLY DIVERSIONS
SAN JOAQUIN RIVER - VERNALIS TO FREMONT FORD BRIDGE

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	852	27450	26460	27790	33890	27000	18380	5054	166900
1950	15120	26340	25420	26240	33030	28230	15750	4963	175100
1951	4051	30310	24320	27240	35080	30420	16900	4333	172700
1952	1296	7960	28040	25640	31270	28600	18860	5647	147300
1953	19240	29190	24060	30960	41370	34340	21610	5175	205900
1954	13920	27820	28120	32620	38000	32290	21500	6587	200900
1955	16990	24520	26000	32700	36570	32160	18910	5308	193200
1956	16100	21900	20310	32030	34200	28500	15030	3232	171300
1957	4900	34790	22250	34600	40940	34480	18560	2782	193300
1958	10	2568	24180	24380	27330	23300	16190	4943	122900
Average Acre-Feet	9248	23280	24920	29420	35170	29930	18170	4802	175000
Average c.f.s.	150	391	405	494	572	487	305	78	360
Average monthly diversion in per cent of seasonal average	5.3	13.3	14.2	16.8	20.1	17.1	10.4	2.7	

a See 1948 Water Supervision Report for prior years.

TABLE 360

COMPARATIVE MONTHLY DIVERSIONS
MERCED RIVER - MOUTH TO SNELLING

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	62	2479	3696	5296	5676	3652	2998	1778	25640
1950	676	2086	4050	4793	4809	4336	2673	455	23880
1951	161	1590	3347	4572	4825	4298	2678	739	22210
1952	37	242	2370	3177	3962	4402	2833	1098	18120
1953	2482	3687	3293	3928	6343	4975	3310	1681	29700
1954	1115	2515	3296	4850	6950	4491	3677	2361	29260
1955	985	2814	3379	5296	6086	6044	4374	1356	30330
1956	1102	1317	1778	4479	5338	4397	3374	1097	22880
1957	400	2746	2947	5391	6780	6020	3700	1256	29240
1958	15	217	2976	4010	5166	4723	2642	1386	21140
Average Acre-Feet	704	1969	3113	4579	5594	4734	3226	1321	25240
Average c.f.s.	11	33	51	77	91	77	54	21	52
Average monthly diversion in per cent of seasonal average	2.8	7.8	12.3	18.1	22.2	18.8	12.8	5.2	

a See 1948 Water Supervision Report for prior years.

TABLE 361

COMPARATIVE MONTHLY DIVERSIONS
TUOLUMNE RIVER - MOUTH TO LA GRANGE DAM

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	39	645	962	1255	1137	1173	806	423	6440
1950	305	588	970	1107	1121	1170	580	259	6100
1951	154	477	586	979	866	890	503	160	4615
1952	7	139	692	945	1077	1073	687	455	5075
1953	1040	1124	1444	1804	2062	2053	1358	468	11350
1954	594	1195	2204	2326	3082	2861	1573	773	14610
1955	1266	1335	1394	2427	2740	2794	1599	879	14430
1956	439	420	1026	1577	1592	1694	1231	390	8369
1957	186	2148	1153	2292	2810	2521	1171	316	12600
1958	22	233	958	1353	1862	2375	1504	636	8943
Average Acre-Feet	405	830	1139	1606	1835	1860	1101	476	9253
Average c.f.s.	7	14	19	27	30	30	19	8	19
Average monthly diversion in per cent of seasonal average	4.4	9.0	12.3	17.4	19.8	20.1	11.9	5.1	

a See 1948 Water Supervision Report for prior years.

TABLE 362

COMPARATIVE MONTHLY DIVERSIONS
STANISLAUS RIVER - MOUTH TO GOODWIN DAM

In acre-feet

Year (a)	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total Seasonal Diversions
1949	41	4747	4661	6152	6531	5648	4251	1940	33970
1950	1313	3240	5385	5493	6266	6254	4055	1382	33390
1951	1163	3733	5043	6101	6076	6333	4240	1970	34660
1952	0	1872	5063	4746	5604	5963	4076	2921	30240
1953	2939	4416	5247	6266	8375	7241	5005	3056	42540
1954	1732	5372	6032	6724	7949	7914	5419	2969	44110
1955	2812	3877	5658	8105	8267	8757	5413	3197	46090
1956	2682	3234	4792	7824	8039	7718	5167	2554	42010
1957	1911	5939	5577	9000	9084	8849	5839	914	47110
1958	5	2573	5866	6465	7856	7078	5341	2785	37970
Average Acre-Feet	1460	3900	5332	6688	7405	7176	4881	2369	39210
Average c.f.s.	24	66	87	112	120	117	82	39	81
Average monthly diversion in per cent of seasonal average	3.7	9.9	13.6	17.1	18.9	18.3	12.4	6.0	

a See 1948 Water Supervision Report for prior years.

TABLE 363

COMPARATIVE SEASONAL DIVERSIONS AND ACREAGES IRRIGATED* - SACRAMENTO RIVER

Year		River Reach							Total
		Sacramento to Verona	Verona to Knights Ldg.	Knights Ldg. to Wilkins Slu.	Wilkins Slu. to Colusa	Colusa to Butte City	Butte City to Red Bluff	Red Bluff to Redding	Sacramento to Redding
1949	Seasonal diversion, acre-feet	182100	69660	189600	396600	96500	758700	179800	1873000
	Average cubic feet per second	375	143	390	816	199	1561	370	3854
	Acreage irrigated - general	14440	6292	12430	37580	6532	48750	18360	144400
	Acreage irrigated - rice	15610	7437	14890	35150	8080	56210	0	137400
	Acre-feet per acre (a)	5.1	5.1	6.9	5.5	6.6	7.2	9.6	6.5
1950	Seasonal diversion, acre-feet	158600	60220	186200	370100	87250	751500	180300	1794000
	Average cubic feet per second	326	124	383	762	180	1546	371	3692
	Acreage irrigated - general	15280	4936	12710	39300	11160	50540	18840	152800
	Acreage irrigated - rice	10900	5274	13360	26760	9107	43080	0	108500
	Acre-feet per acre (a)	4.9	5.9	7.1	5.6	4.3	8.0	9.4	6.7
1951	Seasonal diversion, acre-feet	169100	77770	206200	400600	116600	830300	172800	1973000
	Average cubic feet per second	348	160	424	824	240	1709	356	4060
	Acreage irrigated - general	19520	4905	15150	41100	10310	51390	19860	162200
	Acreage irrigated - rice	16660	3434	15060	32820	14240	58610	0	140800
	Acre-feet per acre (a)	3.8	9.3	6.8	5.4	4.7	7.5	8.5	6.4
1952	Seasonal diversion, acre-feet	132300	66510	158500	410800	102800	754800	179000	1805000
	Average cubic feet per second	272	137	326	845	212	1553	368	3714
	Acreage irrigated - general	14610	5186	12330	33350	10310	46690	20470	142900
	Acreage irrigated - rice	11550	6761	12620	35770	15310	57040	0	139100
	Acre-feet per acre (a)	3.9	5.6	6.4	5.9	4.0	7.3	8.6	6.3
1953	Seasonal diversion, acre-feet	161600	66980	187600	433400	135100	861700	171800	2018000
	Average cubic feet per second	333	138	386	892	278	1773	353	4153
	Acreage irrigated - general	14420	3606	12420	29780	10840	41820	22020	134900
	Acreage irrigated - rice	13380	6836	14050	37300	19080	73960	0	164600
	Acre-feet per acre (a)	4.8	6.4	7.1	6.5	4.5	7.4	7.7	6.6
1954	Seasonal diversion, acre-feet	186300	87880	191600	469500	139800	831300	184700	2091000
	Average cubic feet per second	383	181	394	966	288	1710	380	4303
	Acreage irrigated - general	13160	5394	14450	34670	10710	38110	23310	139800
	Acreage irrigated - rice	16530	9840	14630	40090	19640	84200	0	184900
	Acre-feet per acre (a)	5.2	5.8	6.6	6.3	4.6	6.8	7.8	6.3
1955	Seasonal diversion, acre-feet	183100	77070	196300	426500	131000	881000	200700	2096000
	Average cubic feet per second	377	159	404	878	270	1813	413	4313
	Acreage irrigated - general	16760	7471	17800	42320	13350	44000	24020	165700
	Acreage irrigated - rice	12340	6077	12970	31780	14160	59040	0	136400
	Acre-feet per acre (a)	5.2	5.7	6.4	5.8	4.8	8.6	8.2	6.8
1956	Seasonal diversion, acre-feet	149400	60910	149300	362900	111400	817000	200800	1852000
	Average cubic feet per second	307	125	307	747	229	1681	413	3811
	Acreage irrigated - general	17290	7475	13360	37530	12830	43000	24080	155600
	Acreage irrigated - rice	10790	5323	10220	28010	13340	54950	0	122600
	Acre-feet per acre (a)	4.2	4.8	6.3	5.5	4.3	8.3	8.2	6.5
1957	Seasonal diversion, acre-feet	135400	64150	156200	358600	104000	807000	179000	1804000
	Average cubic feet per second	279	132	321	738	214	1661	368	3712
	Acreage irrigated - general	14780	5632	18510	40060	14480	48220	24070	165800
	Acreage irrigated - rice	7225	5771	10210	24770	10210	47890	0	106100
	Acre-feet per acre (a)	4.7	5.6	5.4	5.5	4.2	8.4	7.3	6.5
1958	Seasonal diversion, acre-feet	122700	71190	144000	365700	92320	706800	181800	1685000
	Average cubic feet per second	252	146	296	753	190	1454	374	3467
	Acreage irrigated - general	15140	8085	16180	40130	14920	43490	24040	162000
	Acreage irrigated - rice	9889	6773	11100	30210	11210	51670	0	120900
	Acre-feet per acre (a)	3.6	4.8	5.3	5.2	3.5	7.4	7.4	5.8
	Average 1949 to 1958								
	Seasonal diversion, acre-feet	158100	70230	176600	399500	111700	800000	183100	1899000
	Average cubic feet per second	325	145	363	822	230	1646	377	3908
	Acreage irrigated - general	15540	5899	14530	37580	11540	45600	21910	152600
	Acreage irrigated - rice	12490	6353	12910	32270	13440	58660	0	136100
	Acre-feet per acre (a)	4.5	5.7	6.4	5.7	4.5	7.7	8.2	6.5
	Per cent of total diversion	8.3	3.7	9.3	21.0	5.9	42.1	9.6	

* Diversion data are for the diversion season, March through October.
a Excluding such diversions for municipal use as the City of Sacramento and the City of Redding.

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Sacramento to Verona)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov. Oct Acre Feet	Acreage Irrigated	
			May	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--TOWER BRIDGE - SACRAMENTO--	0.0																
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO--	0.6L																
City of Sacramento	0.8L	3-18" 2-20" 2-24"	2380	2220	2200	2090	2380	2880	4000	4410	5420	5790	4900	3820	42390	Mu[illegible]pal	
--AMERICAN RIVER--	1.1L																
--BACK BORROW PIT RECLAMATION DISTRICT 1000--	1.3L																
American Nose Company	1.45R	1-8"							36	147	89	144	47		463	159	
--RECLAMATION DISTRICT 1000 DRAIN (Second Bannon Slough)--	2.1L																
Elmer F. Christophel	2.15L	1-8"								15	38	15	9		77	34	
D. D. Parr	3.15L	1-6"									12				12	28	
Rose Orchard, Incorporated	3.55R	1-16"							8	169	147	121	16		461	170	
M. Awyang	4.0R	1-10"									59	50			109	60	
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR--	4.0L																
--GAGING STATION - SACRAMENTO RIVER OPPOSITE SACRAMENTO WEIR--	4.2																
Reese and Greer	4.65R	1-7"							3	56	42				101	58	
George W. Reed	5.05R	1-12"						NO DIVERSION									
Mary S. Seydel Estate	5.25R	1-8"								46	46	64	15		171	96	
A. R. Merkley	5.3R	1-6"									22	17	12		51	26	
Lucy Casselman	5.5R	1-6"							23	30	31	2			86	a 48	
A. A. Casselman	5.55R	1-8"						NO DIVERSION									
Riverside Mutual Water Company	6.1L	2-18"							567	1180	1240	1330	832	195	5344	1477	
--RECLAMATION DISTRICT 1000 DRAIN 3--	6.85L																
Fred C. Jones	7.5L	1-8"							8	34	30	21	9		102	100	
A. Marty and C. Inderkum	7.7R	1-8"								72	75	93	4		244	93	
Candido Rosa	7.8L	1-10"								54		56			110	98	
E. D. Willey	7.9L	1-10"							35	17	61	44			157	129	
A. Marty and C. Inderkum	8.25R	1-8"						NO DIVERSION									
A. Marty and C. Inderkum	8.3R	1-8"						NO DIVERSION									
Pearl Blauth	8.5R	1-7"							2						2	a 4	
Fong Shee Farm	9.3L	1-10"								172	182	91	46		491	265	
Henry Amen and E. C. Peabody	9.35R	1-14"							8	34	30	51	10		133	b 150	
Fred C. Jones	9.8L	1-8"								7	7	18	9		41	30	
Carl Casselman	9.9R	1-12"						NO DIVERSION									
Lloyd M. Robbins	10.25L	1-14"							6	33	59	65	49	27	239	491	
Thomas M. Erwin	10.65R	1-12"							1	32	66	79	15		193	115	
Edward Russell	10.75L	1-12"								21	91	80			192	107	
W. A. Ten Eyck	11.1R	1-12"								110	122	21	4		257	146	
--ELKHORN FERRY--	11.9																
Woodland Farms, Incorporated	12.0R	4-36"	1130	458					4970	9320	11600	11700	645	1590	41410	c,d 3960	c,e 6317
Thomas O'Connor Estate	12.5R	1-12"								41	34	83	12		170	150	
William Plumb, Jr.	12.7R	1-8"								45	55	10			110	78	
Lewis Thornton	12.95L	f 2-4"	2						1	4	3	3	1		14	4	
S. C. Farms, Incorporated	13.1R	1-12"								28	223	60	18		329	g 230	
S. C. Farms, Incorporated	13.25R	1-12"	26					6	76	72	64	110	103	63	520	g	
Elkhorn Mutual Water Company	14.1L	1-24" 1-30"							834	1970	2320	1880	1190	254	8448	h 2846	h 189
Joseph Weress	14.25R	1-14"								28	102	40			170	160	
A. [illegible]	[illegible]	[illegible]						NO DIVERSION									
A. P. Bekker	[illegible]	[illegible]-16"								72	[illegible]	144	[illegible]		[illegible]	[illegible]	
Natomas Central Mutual Water Company	[illegible]	1-24" [illegible] [illegible]						481	[illegible]	[illegible]	[illegible]	[illegible]	136	[illegible]	h [illegible]	[illegible]	[illegible]
Hershey Estate	[illegible]	[illegible]-2"						NO DIVERSION									
Sacramento River Ranch	[illegible]	[illegible]-24"								40	14	[illegible]	23		[illegible]	[illegible]	
Sacramento River Ranch	[illegible]	1-14"						NO DIVERSION									
Frank and Ruth Lang	[illegible]	[illegible]-24"									55	157			212	[illegible]	
[illegible]se Alves and [illegible]ns	[illegible]	[illegible]-8"						NO DIVERSION									
[illegible]se Alves and Sons	18.0R	1-[illegible]"	[illegible]							167	[illegible]2	2[illegible]6	[illegible]4		[illegible]	[illegible]	
[illegible], Leuppe	18.[illegible]L	[illegible]"								117	154	181			453	3[illegible]	

TABLE 36

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Sacramento to Verona) (continued)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible] Lauppe	18.4L	1-14"							2	20	77	93			192	200	
Layt[illegible] Knaggs	18.7R	1-24"							759	938	1100	1580	288		4665		400
[illegible] Verna K	18.7L	1-12"							76	44	98	71	3		292	40	m 40
[illegible] VERONA Total Average cubic feet per second Monthly use in per cent of total			4013 67 3.0	2678 44 2.0	2200 36 1.6	2090 38 1.6	2380 39 1.8	3369 57 2.5	17460 284 13.1	24460 411 18.3	29560 481 22.1	29730 483 22.2	9618 162 7.2	6135 100 4.6	133700 185	[illegible]	9889

a This acreage also received an undetermined amount of well water.
b All Peabody lands.
c This acreage also received 3880 acre-feet of water from Cache Creek and an undetermined amount from Willow Slough.
d Includes 120 acres outside of Woodland Farms Incorporated and 500 acres of duck club lands.
e Includes 231 acres outside of Woodland Farms Incorporated and 720 acres reused for duck club lands.
f One 4" unit was a temporary installation during 1958.
g Combined acreage for Miles 13.1R and 13.25R. This acreage was double cropped.
h 241 acres of general crops and 115 acres of rice listed for Mile 14.1L were irrigated by 3290 acre-feet of water from Mile 16.0L.
i Formerly listed as Donald J. Damron.
j This acreage also received an undetermined amount of controlled drainage water.
k Formerly listed as J. L. Brannely.
m This acreage is Drown lands.

TABLE 36

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Verona to Knights Landing)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--GAGING STATION - SACRAMENTO RIVER AT [illegible]	19.6L																
--[illegible] CANAL RECLAMATION DISTRICTS 1000 AND 1001--	19.6L																
Arthur Brown	*(0.05S)	1-10"								14	100	77	38	24	253	94	
Natomas Central Mutual Water Company	*(1.0S)	1-24" 1-36"						135	3520	2610	3930	3660	723		14580	95	1371
Natomas Central Mutual Water Company	*(2.0S)	1-20" 2-24"						264	4760	3490	4350	4450	2630		19940	1898	3351
B. J. Mkropina	*(3.3N)	2-24"							1130	1730	1220	1210	322		5612	a 454	a 780
B. J. [illegible]kropina	*(3.35N)	1-16"							752	696	926	1120	218		3712	a	a
Roy C. Osterli	*(3.35N)	1-14"						NO DIVERSION									
[illegible]oy C. [illegible]sterli, Marlan Van Dyke and Orland Van Dyke	*(3.45N)	1-36"							1760	1630	2070	1980	444		7884	290	577
--FEATHER RIVER--	20.9L																
--[illegible]ACRAMENTO SLOUGH--	21.2L																
Sacramento River Ranch	21.5R	1-16"								41	139	58	34		272	135	
Roy Michelotti	22.1R	1-10"									115	114	111		340	110	
[illegible]acramento River Ranch	22.5R	1-24"							855	254					b 1109		
--GAGING STATION - SACRAMENTO [illegible]IVER AT FREMONT WEIR, EAST END--	22.58R																
A. F. Johnston	26.8L	1-16"										51			51	170	
Anthony Furlan	26.8L	1-16"										22			22	55	
--GAGING STATION - SACRAMENTO RIVER AT FREMONT WEIR, WEST END--	27.9R																
Lowell Edson	c 28.1R(0.8)	1-5"									42				42	75	
Hershey Estate	c 28.1R(1.3)	1-18"						5		116	93	228	367	47	856	500	
Gus Inglin	c 28.1R(2.4)	1-12"									8	9	11	2	6	36	20
Anthony Furlan	28.2L	1-12"										10	3		13	69	
Gus Inglin	28.2R	1-6"										8	5	7	20	20	
Ralph White	28.6L	1-8"										39			39	47	
Hershey Estate	29.0R	1-12" 2-16"									88	207	64	236	596	214	
Russell Brothers	29.2R	1-12"									145		69	6	220	150	
Sebastian Yturralde	29.9L	1-12"										77	35	7	119	105	
Leo Giovanetti	30.2L	1-6"									11	10	8	13	42	40	
Anthony Furlan	30.5L	1-14"								84	325	302	302	125	1138	79	d 90
M. R. Richardson	30.7R	1-10"										32	11	6	49	45	
Albert Nuss	30.75R	1-6"										26	26		52	20	
Alice E. West	30.9L	1-6"							NO DIVERSION								
A. E. Ruston Jr. and Mrs. E. Ruston	31.5R	1-12"									70	201	174	69	514	149	
M. R. Richardson	31.75R	2-14"								34	102	183	180	39	538	390	

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Verona to Knights Landing) (continued)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
M. Alonso	31.8L	1-6"										1			a	1	
Sutter Mutual Water Company (Portuguese Bend)	32.0L	1-20" 2-24"							2040	1920	2350	2530	910	134	9884	1841	454
J. F. Waters and E. Furlan	32.5L	1-12"								29	14	19	15		76	64	
Collier Brothers	32.5R	1-10" e 1-12"								82	66	85	7		240	157	
A. H. Deigler and H. Carlson	33.2L	2-10" 1-12"							542	427	410	407	134		1920	183	2
J. G. Knox	33.3SL	1-10" 1-12"								51	54	106			211	160	
Clarence Du Bois	33.5R	1-14"								24	67	106	33		230	120	
P. E., I. J., and A. N. Leiser and I. J. Mansager	33.75L	1-14"								136	27	185	45		393	292	
Neil Wilson	33.85L	f 1-4" 1-6"	17	3					28	46	30	28	29	20	201	32	
--SOUTHERN PACIFIC RAILROAD BRIDGE--	33.9S																
VERONA TO KNIGHTS LANDING Total			17	3	0	0	3	395	15620	14020	17240	17450	6250	184	71200	8085	6773
Average cubic feet per second			0	0	0	0	0	7	254	236	280	284	105	3	98		
Monthly use in per cent of annual			0.0	0.0	0.0	0.0	0.0	0.6	21.9	19.7	24.2	24.5	8.8	0.3			

a Mile 19.6L Cross Canal. Distance from Sacramento River and bank are shown in parentheses.
a Combined acreage for Larropina Plants at Miles 32(3.3N) and 32(3.3S).
b This water was served to 160 acres of rice listed for Mile 8.3L on Knights Landing Ridge Cut.
c Plant is located on Grays Bend which is an old channel of the Sacramento River. Water in the channel is derived from seepage and a gated pipe to the Sacramento River. Distance from the river is shown in parentheses.
d This acreage also received an undetermined amount of controlled drainage water.
e Temporary installation in 1958.
f The 4" unit was a new installation in 1958.

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Knights Landing to Elkins Slough)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov-Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--GAGING STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L																
--KNIGHTS LANDING BRIDGE--	34.1																
--COLUSA BASIN DRAIN--	34.1SR																
E. E. Nuttall	34.1SR 0.2	1-6"								7	8				15	20	
River Farms Company	34.5R	1-16" 1-20" 1-24"							6430	5440	5160	5110	552		22170	a 35	a 224
Wallace Ernst and A. Johnson	34.9SL	1-8" 1-12"							84		75				159	98	
Walter Raymond	35.2L	1-12"									58	40			98	50	
Johnson and Anderson	35.8L	1-10"								32	25	14			71	72	
C. Goffitzer	35.85L	1-6"						NO DIVERSION									
Frank Rossi	36.2L	1-12" 1-14"							36	4	159	62			261	b 205	
Earl H. Gray	36.45L	1-8"						NO DIVERSION									
--RECLAMATION DISTRICT 787 DRAINAGE PLANT--	37.0R																
Albert Nuttall	37.2L	1-14"							38		86				124	95	
Maybelle J. Bundock	37.75L	1-8"									23	12			35	20	
Alice Reel and Mabel Green	38.4L	1-10"									34				34	42	
T. L. Reel	38.8L	1-10"									42	37			79	110	
C. L. Reel	39.1L	1-12"									95	54	43		189	87	
T. L. Reel	39.8L	1-10"									62	23	24		109	70	
William Duffy, Jr.	39.9L	1-8"								22		20			42	24	
Sutter Mutual Water Company (State Ranch Bend	40.6L	2-24" 1-36"						572	6460	4800	5620	544	1690	29	24615	2429	2063
River Farms Company	41.0R	1-14" 1-25"							18		348	244			610	229	
Buell Ranch	41.0L	1-6"									8				8	43	
Buell Ranch B. E. Dean	42.2L	1-6"									14	2			16	19	
Mrs. V. Lorenzetti	42.3L	1-8"									52				52	50	

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Knights Landing to Wilkins Slough) (continued)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov. Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible] Grado Ranch	44.[illegible]	1-14" 1-16"							434	424	522	787	476	119	2962	770	14[illegible]
[illegible] Grado Ranch	43.1[illegible]	1-12"						NO DIVERSION									
[illegible]ation [illegible]str. t [illegible]047	43.1[illegible]	3-30"						685	13100	5970	3700	855	350		c 24[illegible]	d 3381	398[illegible]
Kramer Ranch	43.1L	1-12"								101		80			181	100	
Fritz Erdman	43.4R	1-10"								36	137				173	140	
--RECLAMATION DISTRICT 108 DRAINAGE PLANT--	44.0[illegible]																
John Clauss	44.2L	1-18"						81	459	283	253	246			1321		166
John Clauss Puchlin[illegible]	45.6L	1-14"						NO DIVERSION									
--GAGING STATION - SACRAMENTO RIVER ABOVE RECLAMATION DISTRICT 108 DRAIN PLANT--	46.4																
John Clauss	46.45L	1-16"						NO DIVERSION									
J. R. Henle	46.5L	1-14" 1-20"							155	122	292				e 569	214	
Mary Hiatt Properties, Incorporated	48.7L	2-22"							1270	1410	1150	1140	535		5505	226	119
G. J. Hiatt	49.0L	1-14"							66	36	113	102			317	f 290	f 60
G. J. Hiatt	49.7L	1-14"							200	224	304	305	92		1125	f	f
Reclamation District 108 (Tyndall Mound	51.1R	2-24" 1-36"						781	3950	2460	2520	2170	378		12260	1353	802
Holmes and Westover Company	51.2L	2-16"						NO DIVERSION									
Fritz Erdman	51.9R	1-12"									221				221	100	
Thomas Nelson	52.0L	1-16"								62	142	211			415	220	
George Van Ruiten	52.9L	1-10"						NO DIVERSION									
Reclamation District 108 (Howell Point)	53.8R	1-14" 1-20" 1-36"							38	505	1060	702	166	2	2473	452	
George Van Ruiten	53.9L	1-12"								56	140	142	73		411	400	
Broomieside Farms	55.1L	1-20"									274	342	86		702	340	
Broomieside Farms	56.3L	1-16"						NO DIVERSION									
Reclamation District 108 (Boyer Bend)	56.4R	1-12" 1-18" 2-22" 1-36"						56	2300	2220	2970	3190	936	116	11790	936	633
Jacob Miller	56.65R	1-12"						NO DIVERSION									
Broomieside Farms	56.95L	1-20"								234	110	89		116	549	g 210	
L. M. Miller	57.0R	1-10"						NO DIVERSION									
William Crawford	57.25L	1-24" 1-30"	13					481	3720	1860	2550	1900	344		10870	1100	755
Lamb Brothers	57.5L	1-16"						NO DIVERSION									
J. A. Neilson Estate	58.3L	1-14"							23	137	37	214	7		418	269	
Alex Grant	58.9L	h 1-14" 1-16"								77	17	100			194	140	
I. G. Zumwalt	59.1R	1-12"						PLANT REMOVED									
Reclamation District 108 (South Steiner Bend)	59.15R	1-10" 1-16"									117				117	135	
Lamb Brothers	59.8L	1-14"						NO DIVERSION									
A. A. Larner	60.4L	1-14" 1-16"							474	673	870	185	12		2214	510	120
L. A. Butler	60.5L	1-12"								138	52	87			277	125	
Reclamation District 108 (North Steiner Bend)	61.3R	1-16"						NO DIVERSION									
Richard Moore	61.5R	1-12"						NO DIVERSION							e		
L. A. Butler	61.8L	1-12"								51	14				65	91	
Wayne Kline	62.3R	1-10"									148	144	105		397	i 159	
John Mack	62.3L	1-14"							17	135	371	254	31	34	842	277	
Jeke Lovich Estate	62.6R	1-6"									22				22	30	
[illegible]																	
Total			13	0	0	0	0	3113	38040	27723	35370	31999	6438	416	144000		4[illegible]
Average [illegible]tal [illegible]tant per second			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53	619	474	585	52	108		199		
Monthly use in per [illegible]nt of [illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

a [illegible]ned acreage for Mile 44.5L, a remnant river, and Mile 44.3L, [illegible]ude main drain.
b [illegible]ude 1[illegible] acres of [illegible] lands.
c Includes [illegible] acre-feet delivered to River Farms Company as follows: April 4, May [illegible], June 189, July [illegible], August 27, and September [illegible].
d Includes 1498 acres of River Farms Company land.
e Includes 100 acre-feet of water spilled into a lake.
f Combined acreage for Miles 49.[illegible] and 49.7L.
g Of this acreage, [illegible] were reused for duck ponds.
h The 14" unit was a temporary installation in 1958.
i Includes 83 acres of Zumwalt lands.

[illegible] AND ADJACENT IRRIGATED
AREAS [illegible] Wilkins Slough to Isleton

November 1957 through October 1958

Water User	Map and Book above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov. - Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible]	[illegible]																
[illegible]	[illegible]	[illegible]							2960	25400	19600	19900	14500	2950		89210	4310	8928
[illegible]	[illegible]	[illegible]									63	[illegible]	[illegible]			238	135	
[illegible]	[illegible]	[illegible]									50	[illegible]	[illegible]			132	100	
[illegible]	[illegible]	[illegible]							3070	51100	34900	43800	[illegible]	8840	155	a 181400	b 18331	b 14408
[illegible]	[illegible]																	
Robert [illegible]	[illegible]	[illegible]								247	328	471	207	120		1373	440	80
[illegible]	[illegible]	[illegible]										90	27	29		146	115	
[illegible]	[illegible]																	
Frank Lamb [illegible]	[illegible]	[illegible]						NO DIVERSION										
[illegible]	[illegible]	[illegible]									246	501	384			1132	483	
[illegible]	[illegible]	[illegible]									83	16	152	85	36	372	150	
[illegible]	[illegible]	[illegible]						NO DIVERSION										
Fred [illegible]	[illegible]	[illegible]						NO DIVERSION										
[illegible]	[illegible]	[illegible]									35	128	123			286	135	
[illegible]	[illegible]	[illegible]								145	186	314	369	181	27	1222	500	
[illegible]	[illegible]	[illegible]							100	636	912	2120	610	839	156	5373	d 1402	279
[illegible]	[illegible]	[illegible]								3430	3900	3860	3650	851		15690	1652	1105
[illegible]	[illegible]																	
[illegible]	[illegible]	[illegible]						NO DIVERSION										
[illegible]	[illegible]	[illegible]						NO DIVERSION										
[illegible]	[illegible]	[illegible]							21	684	491	777	517	74	72	2636	607	530
[illegible]	[illegible]																	
[illegible]	[illegible]	[illegible]						NO DIVERSION										
[illegible]	[illegible]	[illegible]									73	49	72	32	8	234	e 87	
[illegible]	[illegible]	[illegible]								1620	696	1110	1500	461		5377	152	500
[illegible]	[illegible]	[illegible]								292	589	1180	1150	137		3348	1055	
[illegible]	[illegible]	[illegible]										285	181		27	493	f 380	
[illegible]	[illegible]	[illegible]								142	89	224	765			1220	450	
[illegible]	[illegible]	[illegible]									20	85	57	[illegible]		209	110	
[illegible]	[illegible]	[illegible]								982	990	1010	1040	781		4803	553	33
[illegible]	[illegible]	[illegible]									50	119	93	43		354	g 205	
[illegible]	[illegible]	[illegible]									19	43	34			96	h 173	
[illegible]	[illegible]	[illegible]							26	441	366	352	293			1478	40	97
[illegible]	[illegible]	[illegible]										6	19			25	50	
[illegible]	[illegible]	[illegible]									115		180	43		338	200	
[illegible]	[illegible]	[illegible]									100	265	359	221	16	961	178	
[illegible]	[illegible]	[illegible]										190	47			237	226	
[illegible]	[illegible]	[illegible]								1810	1840	1920	1710			7280	j	j
[illegible]	[illegible]	[illegible]							98	570	104	468	258	426	24	1948	j 462	j 2481
[illegible]	[illegible]	[illegible]							277	2260	2120	2250	2230	117		9254	j	j
[illegible]	[illegible]	[illegible]						NO DIVERSION										
[illegible]	[illegible]	[illegible]									37	55	60	6		158	k 157	
[illegible]	[illegible]	[illegible]									36	55		29	15	135	m 75	
[illegible]	[illegible]	[illegible]									14		10			24	38	
[illegible]	[illegible]	[illegible]											39			39	n 130	
[illegible]	[illegible]																	
[illegible]	[illegible]	[illegible]							869	3360	3520	4140	3490	1200		16480	p 4610	p 1299
[illegible]	[illegible]	[illegible]									56	52			37	145	60	
[illegible]	[illegible]	[illegible]									22	26	29			77	65	
[illegible]	[illegible]	[illegible]								444	618	740	774	236		2832	69	445

TABLE 367

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Wilkins Slough to Colusa) (continued)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
F. T. Meisnne and L. F. Wood	92.5L	1-12"									44	15			59	43	
Emerson Hixon	92.7L	1-5"						NO DIVERSION									
Steidlmayer Brothers	83.0R	1-20"	6						110	110	886	70	95	14	1291	1210	
J. E. Clark	83.3L	1-14"								48	71	1			120	115	
J. E. Clark	83.5L	1-10"						NO DIVERSION									
--BUTTE SLOUGH OUTFALL GATES--	84.0L																
Reclamation District 1004	85.3L	1-8"							23		10	65			98	64	
Steidlmayer Brothers	85.6R	1-12"								121	90	70			281	125	
Clifford Reichel	85.9L	1-10"										18			18	30	
Lydell Peck	86.1L	1-8"								25	11		18		54	70	
W. H. Halsey	86.1R	1-12"							50	51	217	66	86	4	474	210	
Howell Davis	86.2R	1-18"								116	35	69			220	150	
Sciortino Brothers (q)	86.8L	1-8"							17		24				41	45	
Kathleen Wilbur	86.9R	1-10"								113	101	12		25	251	268	
Kathleen Wilbur	87.4R	1-10"								40	79	20	29	25	193	65	
W. H. Halsey	87.45L	1-6"									18	3			21	23	
Mrs. D. Locvich	87.6L	1-8"									5				5	12	
Swinford Tract Irrigation Company	87.7R	1-12"								34	126	8			168	109	
Frank Azevedo	88.0R	1-6"									6				6	17	
Amy K. Lange (r)	88.2R	1-2"						NO DIVERSION									
Nagel and Locvich	88.2L	1-10"									39	1		2	42	44	
Mayfair Farms, Incorporated	88.7L	1-14"									108		3	70	181	115	
Colusa Irrigation Company	89.2R	1-20"									385	13	31		429	289	
Grace S. Arnold	89.24L	1-8"									73	69			142	64	
Reclamation District 1004	89.25L	1-12" 1-18"							657	820	824	763	78	589	3731	s 620	s 300
W. H. Halsey and M. Yerxa	89.26L	1-12"									112				112	116	
WILKINS SLOUGH TO COLUSA																	
Total			6	0	0	0	0	7321	94420	72740	89950	81780	18140	1302	365700	4 130	1321
Average cubic feet per second			0	0	0	0	0	123	1536	1222	1463	1330	305	21	505		
Monthly use in per cent of annual			0.0	0.0	0.0	0.0	0.0	2.0	25.8	19.9	24.6	22.4	5.0	0.4			

a Includes 5310 acre-feet of water served to lands in Reclamation District 1660 as follows: May 1270, June 1160, July 1390, August 1210 and September 280.
b Includes 735 acres of general and 612 acres of rice in Reclamation District 1660.
c Formerly listed as Lamb Brothers.
d Includes 215 acres of F. Winship lands which are outside of the district and which received 299 acre-feet of water.
e Includes 41 acres of Rohleder lands.
f Includes 125 acres of Steidlmayer lands.
g Includes 120 acres of Steidlmayer lands.
h Includes 20 acres of Coffman lands and 18 acres of Chesney lands.
i New installation in 1958.
j Combined acreage for plants at Miles 78.15R, 78.75R, and 78.8R.
k Includes 23 acres of Davis land, 29 acres of Stass land, and 29 acres of Lemos land.
m Includes 20 acres of Oil Terminals Company land.
n Includes 50 acres of S. Burtis lands.
p An additional 1919 acres of general crops and 152 acres of rice were irrigated by controlled drainage.
q Formerly listed as Scortino Brothers.
r Installed prior to 1958. Not previously listed.
s This acreage was reused for duck ponds. Includes 550 acres of general crops and 100 acres of rice which also received an undetermined amount of water from Lower Butte Creek at Mile 4.3R.

TABLE 368

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Colusa to Butte City)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--COLUSA BRIDGE--	89.4																
--GAGING STATION - SACRAMENTO RIVER AT COLUSA--	89.4																
J. Boggs (a	90.7L	1-10"						NO DIVERSION									
Roberts Ditch Company	90.7R	1-18"							55	533	730	674	475	9	2304	1275	
I. G. Zumwalt	91.0R	1-6"						NO DIVERSION									
Paul R. Westfall	91.1L	b 1-3" 1-4"									6				6	28	
I. G. Zumwalt	91.6R	1-12"									72		32	32	136	130	
--GAGING STATION - SACRAMENTO RIVER AT COLUSA AREA--	92.4L																
Andrew Martin	92.5L	1-8"						NO DIVERSION									
W. H. Halsey	92.6R	1-8"									21	2			23	34	

[illegible] AND ACREAGES IRRIGATED
AMOUNT [illegible] Diversions - Butte City - Continued

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Andrew Martin	92.7L	1-4"						[illegible] DIVERSION									
A. H. Halsey	93.0R	1-3"										3			31	c	
Paul R. Westfall (b)	93.2L	1-3"												1	10	25	
Paul R. Westfall	93.6L	b 1-3" 1-10"									30	10			40	54	
Tuttle Land Company	94.3R	1-20"								126	205	165	134	7	700	d 203	
Roger Wilbur	95.2SL	1-12" 1-18"							434	635	637	657	245	100	2708	455	e 142
Azro N. Lewis Estate (f)	95.6L	g 1-15"	40	39							75	85			239	400	
J. G. Griffin	95.7SL	1-15"						NO DIVERSION									
J. G. Griffin	95.8L	1-26"								14	143	3			160	208	
Robert Hunter and A. L. Scott, Jr. (h)	95.85L	1-18"								116	175				291	i 183	
I. G. Zumwalt	96.2R	1-15"								73	197		205	35	510	340	
H. Heitman	97.7R	1-14"							4	28	43	47	47	35	204	77	
Rio Bonito Farms	97.75L	1-6"								14	66	67	45		192	160	
Rio Bonito Farms	98.0L	1-10"						NO DIVERSION									
J. L. Erisey	98.3R	1-10"							24	38	69	79	65	11	286	134	
Otterson and Boggs	98.6L	1-15"						NO DIVERSION									
D. Boggs	98.8L	1-18"						5	512	760	737	455	10	13	2498	177	j 257
Elizabeth Reimer	99.0R	1-14"							85	34	116	90	37	17	379	155	
J. E. Boggs	99.1L	1-16"								40	49	50			139	160	
Hollis Sartain	99.2L	1-20"						NO DIVERSION									
L. A. Seaver	99.3R	1-10" 1-12"							22	33	171	32	15		273	125	
Helen Forry	99.8L	1-16"								45	83	107	46	63	344	286	
Saint Patrick Home Ranch	101.1R	1-20"									285	456	434		1175	k 532	
Jane Foster Carter	101.8L	1-14"									258	172	14		444	377	
Guy M. Morse and George A. Packer	102.8R	2-12" 1-20"							749	474	620	722	476		3041	340	329
C. B. Carter	102.9L	1-16"								107	195	127	12		441	393	
--GAGING STATION - SACRAMENTO RIVER OPPOSITE MOULTON WEIR--	103.3																
--GAGING STATION - SACRAMENTO RIVER AT MOULTON WEIR--	103.6L																
Charles W. Welch	103.7R	1-16"						NO DIVERSION									
Charles W. Welch	103.8R	1-14" 1-20"							1350	953	756	813	29		3901	m 65	m 590
C. W. Tuttle	103.9R	1-12" 1-18"							904	1090	993	1280	224	6	4497	145	640
I. G. Zumwalt	104.8L	1-12"								76	49				125	120	
I. G. Zumwalt	105.3L	1-12"						NO DIVERSION									
Lawrence Boyd	105.5L	1-10"									3	4			7	11	
Thousand Acre Ranch (H. W. Keller)	106.0R	1-14"								130	217	68			415	293	
Olive Percy Davis, et al.	106.5R	2-16"						NO DIVERSION									
Princeton Ranch Company	110.0R	1-12"									130				130	180	
H. Womble	110.1L	2-16"								3	22	15			40	39	
I. G. Zumwalt	110.7L	1-12"						NO DIVERSION									
--PRINCETON FERRY--	112.0																
I. G. Zumwalt	112.05L	1-12"									28				28	65	
Reclamation District 1004	112.1L	2-30" 1-50"							195	12400	11300	11400	2770		51360	n 5176	n,p 5616
Princeton-Codora-Glenn Irrigation District	112.4R	3-24"							49	3580	4030	3620	2460	1140	157	15040	q 2262	q 3633
I. G. Zumwalt	112.6L	1-10"								30	88				118	215	
Emerson B. Estes	114.9R	1-5"						NO DIVERSION									

TABLE 368

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Colusa to Butte City) (continued)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Mark Munson	115.3R	1-4"						NO DIVERSION									
Opal L. Cushman	115.5L	1-12"						17	43	27	27	25	29		168	95	
COLUSA TO BUTTE CITY																	
Total			40	39	0	0	0	266	20160	20720	24220	20030	6280	647	92400	1492C	1121
Average cubic feet per second			1	1	0	0	0	4	328	348	394	326	106	11	128		
Monthly use in per cent of annual			0.0	0.0	0.0	0.0	0.0	0.3	21.8	22.4	26.2	21.7	6.8	0.7			

a Formerly listed as Lillian and Hattie Boggs.
b Previously listed as a temporary installation in 1957.
c Combined acreage for Miles 92.6R and 93.0R.
d Includes 20 acres of Mayfair Packing Company lands and 10 acres of A. H. Halsey lands.
e Includes 30 acres of Monsen Estate lands.
f Formerly listed as Arzo N. Lewis.
g Replaces a 12" and a 20" unit.
h Formerly listed as J. G. Graham.
i Includes 27 acres of O'Sullivan lands.
j Includes 257 acres of Patterson lands.
k Includes 110 acres which received an undetermined amount of well water.
m The acreage listed for Mile 103.3R also received 743 acre-feet of water from Colusa Basin Drain at Mile 48.7L(0.2).
n Includes 1051 acres of rice and 936 acres of general crops which also received an undetermined amount of water from plants on Lower Butte Creek at Miles 11.8R(2.6) and Opp. 14.4R(0.2).
p Includes 556 acres of rice outside the District.
q Combined acreage for Miles 112.4R and 123.9R and plant on Colusa Basin Drain at Mile 54.2L. Includes 129 acres of general crops that received 516 acre-feet of water from Glenn-Colusa Irrigation District plant at Mile 154.8R.

TABLE 369

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Butte City to Red Bluff)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--BUTTE CITY BRIDGE--	115.8																
--GAGING STATION - SACRAMENTO RIVER AT BUTTE CITY--	115.8L																
Mark Munson	115.8R	1-4"						NO DIVERSION									
W. H. Gebicke	115.85L	1-14"									34	23			57	65	
L. D. Ohlson	115.9L	1-6"						NO DIVERSION									
Manuel Torres	116.37L	1-12"						NO DIVERSION									
Cronin Estate	116.9L	1-16"						NO DIVERSION									
L. D. Ohlson	117.1R	1-10"							1	1		35	13		50	90	
W. F. Wright, Jr.	117.5R	1-6"								38	37	13			88	145	
W. R. Steward, Jr.	120.3R	1-10"										24			24	40	
Robert T. Millar	122.3R	1-10"						NO DIVERSION									
Clarence Reed	123.7R	1-6"						NO DIVERSION									
P. K. Friesen	123.8R	1-4"						NO DIVERSION									
Princeton-Codora-Glenn Irrigation District	123.9R	5-24"						1170	9950	7460	9370	9080	3650	1220	41900	a	a
Provident Irrigation District	124.2R	2-24" 1-36" 2-46"	2500	1630				877	6100	5550	5870	3520	939		b 26990	c 475	c,d b902
J. Bertapelle	124.3R	1-12"							144	271	221	196	104	133	1069	360	
Joe Thomas	125.5R	1-10"						NO DIVERSION									
Duard F. Weis	128.3R	1-6"								21	26	14	22		83	35	
F. G. Reager, Jr. (et	130.75	1-8"								21	150	119	41		331	257	
--GAGING STATION - SACRAMENTO RIVER AT 3RD FERRY--	130.8R																
L. D. Simmons	131.0L	1-4"						NO DIVERSION									
Harry E. Nichols, Jr.	133.45L	1-6"									35	13	29		77	80	
Harry E. Nichols, Jr.	133.5L	1-5" 1-6"						NO DIVERSION									
--STONY CREEK--	138.0R																
-- IG HI EK--	141.5L																
M. & T. Incorporated and Parrott Investment Company	141.5L	1-20" 4-24"	130	78			2		1100	1300	1600	3010	903	275	f 8398	g 1804	g 1871
Fran T. Frezell	141.5L	1-4"						NO DIVERSION									
-- HI LANDI RAIL AT E SITE--	142.1																
Paul L. Arneberg	142.8	1-14"								55	85	38			178	140	
Edward ing	143.0R	1-10"								9	38	41	29	b	123	68	
Lev e is	143.4L	1-6"									14	54	31		99	42	
Glenn Maple	46.0	1-6"						NO DIVE N									

TABLE 36

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Butte City to Red Bluff) (continued)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Leonard Horning	146.8R	h 1-10"								12	20	20	12	3	67	35	
Holly Sugar Corporation	148.9R	1-2" 1-10"						NO DIVERSION									
James Rolph III (i)	149.5L	1-12"							25	164	192	15			396	225	
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY (Cianella Bridge)--	149.5L																
J. A. and A. E. Lewis	149.7L	1-12"								80	59	57	43		239	145	
James A. Lewis	150.0L	1-10"							62	43	47	41			193	90	
V. C. Strain	150.8R	1-12" 1-16"								215	467	220	51		953	462	
Joe E. Johnson	152.2R	1-6"								5	21	16	7	4	53	28	
Robert Edwards	152.4R	1-6"						NO DIVERSION									
Bowers Ranch (j)	153.5L	1-8"								13	8	26			47	37	
Jessie and McClain	154.6R	1-5"								7	4	11			22	12	
C. E. Warne (k)	154.7R	1-4"								1		1			2	9	
Jacinto Irrigation District	154.75R	1-36" 1-42"						558	8570	9750	6960		6960		m 32800	7918	1227
Glenn-Colusa Irrigation District	n 154.8R	p 1-48" 4-66" 3-72" 1-100"						2500	106000	118000	129000	128000	60600	48000	q,q592100	r 29110	s, 41000
Compton-Delevan Irrigation District (s)	n 154.8R																
Maxwell Irrigation District (t)	n 154.8R																
J. Ewert	155.6R	1-4"		2				4	6	15	21	15	12	9	84	22	
R. Pheiffer	155.7R	1-2½"						2	6	6	6	7	3	2	32	7	
F. Williams	156.0R	1-6"								6	5	11	4		26	11	
H. H. Penner	156.1R	1-6"		2				10	30	59	51	44	31	18	245	u 54	
O. L. Shearman	v 156.85R	w 1-3"									6	4	3	1	14	4	
Taresh Ranch	158.8R	1-10"									37	14			51	30	
Jonathan Carst	161.45L	2-8" 1-14"							4	419	486	468	71		1448	480	
Jonathan Carst (j)	161.7	1-2"						1							1	x	
Lloyd Hygelund (j)	165.4L	1-14"								62	127	18			207	160	
--GAGING STATION - SACRAMENTO RIVER AT VINA BRIDGE--	166.5R																
E. L. Dietz	166.7R	1-3"						NO DIVERSION									
Russell L. Deckman	166.8R	1-2"									1	1	2	1	5	9	
Ernest Peterson	166.9R	1-6"								6	15	10	9	5	45	46	
--DEER CREEK--	168.5L																
A. J. McFadden	168.5L	1-8"									83	41	23		147	114	
C. F. O'Connor	168.85R	1-10"								62	16	35			113	y 50	
C. F. O'Connor	168.9R	1-6"								40	11	22			73	y	
Rumiano Brothers	169.8L	1-10"								1	28	11			40	110	
Moritz Thomsen	173.05L	1-8"							73	80	118	66	6		343	90	
--THOMES CREEK--	173.5R																
Dr. O. T. Wood	173.7L	1-8"								78	10	13			101	110	
Dutro Brothers	175.5L	1-4"							6	21	21	23	4		75	30	
Dutro Brothers	176.6R	1-4"						NO DIVERSION									
Dutro Brothers (z)	176.8R	1-4"							11		12	10	4		37	10	
L. L. Brunnemer (aa)	177.2L	1-6"						22	22	11		13	14	12	94	21	
--TEHAMA BRIDGE--	177.5																
--MILL CREEK--	178.1L																
--ELDER CREEK--	178.5R																
--NORTH FORK MILL CREEK--	179.0L																
--ANTELOPE CREEK--	182.6L																
Los Molinos Mutual Water Company	187.6L	1-12"						NO DIVERSION									
John Taylor	188.5L	1-1½"						NO DIVERSION									
Oroville L. Johnson	188.51L	1-2½"						NO DIVERSION									
Henry Kerber	188.8L	1-10"							118	175	233	206	156		888	126	
R. C. Osborn (j)	189.1R	1-6"									29	9	2		40	65	
--RED BANK CREEK--	191.2R																
--RED BLUFF BRIDGE--	193.4S																
Arthur Stanley	196.5L	1-2½"						NO DIVERSION									
W. R. Harris (aa)	196.55L	1-1½"							1	1	1	3	1	1	8	4	

TABLE 3[illegible]

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Butte City to Red Bluff) (continued)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
S. and E. Erickson	196.6L	1-5"							1	10	26	5	10		52	36	
Diamond Match Company	197.0L	1-8"							85	112	61	97	66	46	467	145	
Carl Fahle	197.1L	1-3"								1	2	1		1	5	8	
C. Cilliland (ab)	197.5L	1-1½"									1	2	2	3	8	4	
Al Gaumer (ac)	198.0L	1-3"							22	30	30	32	29	19	162	ad 75	
Al Gaumer (ac)	198.3L	1-3"								1	15	16	9		41	ad	
BUTTE CITY TO RED BLUFF																	
Total			2630	1712	0	0	2	5144	132300	144200	155700	145800	73900	49760	711200	43490	51670
Average cubic feet per second			44	28	0	0	0	86	2152	2423	2532	2371	1242	809	982		
Monthly use in per cent of annual			0.4	0.2	0.0	0.0	0.0	0.7	18.6	20.3	21.9	20.5	10.4	7.0			

a Combined acreage for Miles 112.4R and 123.9R and plant on Colusa Basin Drain at Mile 54.2L.
b 481 acres of rice listed for Glenn-Colusa Irrigation District plant at Mile 154.8R also received 3850 acre-feet of water from Mile 124.2R.
c Combined acreage for Mile 124.2R and plants on Colusa Basin Drain at Miles 57.5R(2.4), Opp. 61.2R(1.5), Opp. 62.8L(2.5), 64.2R(0.1) and Opp. 64.2R(2.6).
d 284 acres of rice listed for Mile 124.2R also received 2270 acre-feet of water from Glenn-Colusa Irrigation District plant at Mile 154.8R.
e Formerly listed as F. S. Reager.
f Additional acre-feet diverted from Butte Creek as follows: May 5080, June 4620, July 4700, August 2720, September 2240, and October 1370.
g Includes acreage as follows: M&T Inc. - general 526, rice 796; Parrott Investment Co. - General 1278, rice 1077.
h Replaces a 3" unit.
i Formerly listed as Wallace E. Ferrin and George A. Zundel.
j Installed prior to 1958. Not previously listed.
k Formerly listed as G. G. Maas.
m Quantities shown are diversions at Mile 154.75R to Glenn-Colusa Irrigation District canal.
n This is a common point of diversion for Glenn-Colusa, Compton-Delevan and Maxwell Irrigation Districts.
p One 42" unit was removed in 1958.
q Additional acre-feet diverted by gravity from Stony Creek as follows: April 18300, May 28100, June 5160, July 1100, August 415, and September 260. An additional 2690 acre-feet diverted by plant on Colusa Basin Drain at Mile 29.8R(1.4). Includes 516 acre-feet served to 129 acres of general crops listed for Mile 112.4R.
r This acreage also received an undetermined amount of controlled drainage water. Of this acreage, 1173 were reused for duck ponds. Includes the following acreage outside the District: general 436, and rice 980.
s Consolidated into Glenn-Colusa Irrigation District in 1958.
t District does not receive water from Sacramento River at this mile. Will not be listed in subsequent reports.
u Includes 4 acres of Svit lands.
v Plant moved from Mile 156.8R in 1958.
w Replaces a 2½" unit.
x Nonagricultural use.
y Combined acreage for Miles 168.85R and 168.9R.
z Reinstallation in 1958 of a temporary installation in 1956.
aa New installation in 1958.
ab Formerly listed as J. W. Bulkely.
ac Formerly listed as C. A. Dros.
ad Combined acreage for Miles 198.0L and 198.3L.

TABLE 370

DIVERSIONS AND ACREAGES IRRIGATED
SACRAMENTO RIVER (Red Bluff to Redding)

November 1957 through October 1958

Water User	Mile and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--GAGING STATION - SACRAMENTO RIVER NEAR RED BLUFF--	198.6																
--PAYNES CREEK--	201.5L																
C. T. Loftus	205.1L	1-4"						3	15	22	30	28	25	21	144	36	
--BEND FERRY BRIDGE--	207.0																
D. Mills	207.3L	1-8"							78	70	103	96	88	27	462	110	
D. Mills	207.5L	1-12"							91	80	189	170	139	44	713	256	
La Mirada Olive Company (a)	209.0L	1-4"						NO DIVERSION									
Table Mountain Gun Club	210.0R	1-2½"						NO DIVERSION									
J. F. Nunes	213.0R	1-7"						NO DIVERSION									
F. L. Jelly	213.5L	1-3"						NO DIVERSION									
J. F. Nunes	216.0R	1-5"								10	15	25		2	52	16	
--JELLY FERRY BRIDGE--	216.0																
W. A. Hunsaus	216.4L	1-3"								2	15	13	8	5	43	13	
Haakonson Brothers	217.5L	1-5"							36	41	101	56		15	249	73	
J. L. Haskins	217.9L	1-6"								7	138	5	48	14	212	46	
Rio Alto Rancho	221.0R	1-12"							167	504	523	359	417	330	2300	498	
--BATTLE CREEK--	221.5L																
--COTTONWOOD CREEK--	222.2R																
--GAGING STATION - SACRAMENTO RIVER AT BALLS FERRY--	224.5																
C. D. Draucker	228.0R	1-10"							108	34	150	156	23	38	509	65	
--CLEAR CREEK--	228.8L																
--ANDERSON BRIDGE--	232.1																
Floyd Leonard	233.5L	1-6"							11	4	29	34	14		9[illegible]	70	
United States Plywood Corporation	234.0R	1-8"	152	144	144	43	113	91	24	15	134	79	141	155	1236	21	
--CLEAR CREEK--	237.1L																

TABLE 3[illegible]

[illegible] AREA IRRIGATED
[illegible]ed Bluff to Redding[illegible]nued)

November 1957 through October 1958

Water User	Map and Bank above Sacramento	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible] Company, Incorporated	244.5L	1-12"							243	96	495	314	163	69	1276	178	
[illegible]erard	243.3L	1-2"							7	8	9	9	7	4	44	5	
[illegible] Cadwell	243.4L	1-6"						NO DIVERSION									
Anderson-Cottonwood Irrigation District	240.5L	4-16"	26					615	2890	2541	3800	3880	3330	2120	19190	2293	
--GAGING STATION - SACRAMENTO RIVER NEAR REDDING--	240.7																
Riverview Golf Course	240.7L	1-4"	1		1		1	10	16	11	21	43	12	2	118	b 74	
--HIGHWAY 44 BRIDGE--	242.0																
--HIGHWAY 99 BRIDGE--	245.9																
Anderson-Cottonwood Irrigation District	246.0R	Gravity						6010	24700	23700	25300	25200	23900	23600	152300	20267	
--SOUTHERN PACIFIC RAILROAD BRIDGE--	246.25																
City of Redding (c.	246.25L	2-6"						NO DIVERSION									
Maybell Diestelhorst	246.3R	1-8"							23	25	40	64	30	20	202	22	
--OLD REDDING-YREKA BRIDGE--	246.4																
City of Redding	246.7R	3-8"	172	199	178	155	181	230	383	362	580	618	438	323	3819	Mar[illegible] Spa.	
--GAGING STATION - SACRAMENTO RIVER AT KESWICK--	250.5																
RED BLUFF TO REDDING Total			351	343	323	198	295	6959	28780	27530	31570	31140	28690	26790	183000	2[illegible]	
Average cubic feet per second			6	6	5	4	5	117	468	463	513	506	482	436	253		
Monthly use in per cent of seasonal			0.2	0.2	0.2	0.1	0.2	3.8	15.7	15.0	17.3	17.0	15.7	14.6			
SACRAMENTO RIVER - SACRAMENTO TO REDDING Total			7070	4775	2523	2288	2632	26590	346800	331600	384200	357900	149400	85230	1700000	1[illegible]	[illegible]
Average cubic feet per second			119	78	41	41	44	447	5643	5573	6248	5821	2511	1386	2348		
Monthly use in per cent of seasonal			0.4	0.3	0.1	0.1	0.2	1.6	20.4	19.5	22.6	21.1	8.8	5.0			

a Formerly listed as C. Fetzlaff.
b This acreage also received an undetermined amount of water from a seepage pond.
c Installed prior to 1958. Not previously listed.

TABLE 371

DIVERSIONS AND ACREAGES IRRIGATED
COLUSA BASIN DRAIN*

November 1957 through October 1958

Water User	Map and Bank	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--GAGING STATION - COLUSA BASIN DRAIN AT KNIGHTS LANDING	0.2SL																
River Farms Company	0.3L	1-10" 1-20"							341	359	1010	792			2502	a	a
--RIDGE CUT AT KNIGHTS LANDING--	0.4R																
John J. Anderson	1.4SR	1-16" 1-20"		67	11								8	16	102	b 6	
John C. Cooling	4.2R(0.1	1-16"								67	289	114	16		486	243	
J. E. Taylor	4.2R(0.7	1-12"							2	15	9	28	34		88	45	
B. C. and T. D. Tolson	4.2R(0.8	c 1-12"								14	55	44		1	114	40	
Layton Knaggs	4.3SR	1-20"								469	784	353			1606	600	
Layton Knaggs	7.2R	d 1-16"	60	38											98	b 77	
George E. Youngmark	8.8R	1-14" 1-16"						NO DIVERSION									
Hershey Estate	11.15R	1-16" 1-18"			1				920	930	1140	1270	402		4663		470
Hershey Estate	13.75	1-16"	72	33											105	[illegible]	
C. M. Mumma	14.75	1-16"							112	114	126	223	22		597		54
--[illegible]NTY LINE BRIDGE--	15.2S																
J. V. Doherty	15.5R	1-12"						NO DIVERSION									
M. T. Emmert	15.7SR	1-12"							5	102	295	295	124		827	e 400	
H. B. West, Jack Hughes, and Dr. R. C. West	18.1R	f 1-8" 1-15" 1-20"		207					310	645	608	398	44		e 2212		340
James Iriart	18.5R(0.8	1-14"						NO DIVERSION									

TABLE 171

DIVERSIONS AND ACREAGES IRRIGATED
COLUSA BASIN DRAIN* (continued)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--RECLAMATION DISTRICT 108 GRAVITY DRAIN--	19.9L																
Reclamation District 108	19.9L	1-16" 1-24" 1-30"							NO DIVERSION								
William West	20.0R	1-15"	1	144	36				146	158	152	232	178		1047		64
B. W. Whitmire and O. S. Adams	21.3R	2-16"							NO DIVERSION								
Albert Brandenburg	22.1R	1-14"							NO DIVERSION								
--GAGING STATION - COLUSA BASIN DRAIN NEAR COLLEGE CITY--	22.5L																
Aileen Browning Armstrong	22.7SR(0.1)	1-16"							NO DIVERSION								
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6																
Balsdon Ranch	24.6R(0.3)	1-16"							NO DIVERSION								
Balsdon Ranch	g 24.6L(0.3)	2-16" 1-20"							1020	1210	1910	1870	300		6310	1165	245
Henry J. Olin (h)	24.6L(0.3)	1-12"							19	23	43	61	29		175	s 100	
Luta King	25.1R	1-6"							NO DIVERSION								
Gertrude M. Sherer	25.3L	1-16"							NO DIVERSION								
Gertrude M. Sherer	25.5R	1-10"							NO DIVERSION								
--GRIMES-COLLEGE CITY CAUSEWAY--	25.5																
Fred Schutz	25.9L(0.2)	1-16" 1-20" 1-24"	1						49	188	65				303	520	
Roy E. Kitts	26.4R(0.1)	1-18"							214	130	218	184	30		776		142
C. W. and M. F. Struckmeyer	27.2SL(0.3)	1-16"								87	251	198	204	314	1054	641	
William P. Wallace Ranch	28.0R	1-12" 1-16"							NO DIVERSION								
--WALLACE CROSSING (Old Meridian-Williams Bridge)--	29.2																
Olive Percy Davis, et al.	29.79L	Gravity							NO DIVERSION								
Olive Percy Davis, et al.	29.8R(0.4)	1-16"								40	234	19	66		359	190	
Fred Wilkins	29.8R(1.0)	1-14"							NO DIVERSION								
Glenn-Colusa Irrigation District	29.8R(1.4)	1-20" 2-38"	3					311	1750	45	40	344	202		j 2695		
Olive Percy Davis, et al.	31.5L	1-24"							NO DIVERSION								
Olive Percy Davis, et al.	32.1R	1-16"							260	473	973	909	183		2798		145
Federal Fish and Wildlife Service	32.6R	1-16"	385	390	99	13				132	456	351	348	368	2542	k 300	
J. C. Olvey	32.6L	1-14"							NO DIVERSION								
Arata Brothers	32.9L	1-8"	15										18	68	101	b 15	
Richard Moore	33.5L	1-12" 1-16"	3	3					482	707	886	599	3	9	2692		m 277
Federal Fish and Wildlife Service	36.6SR	1-15" 1-20"	220	345					1150	962	1080	1220	1090	743	6810	k 220	k 690
Federal Fish and Wildlife Service	37.0L(0.1)	1-15"			114					119	224	162			619	n 65	
--GAGING STATION - COLUSA BASIN DRAIN AT HIGHWAY 20--	37.0																
I. C. Zumwalt	39.2L	8-20"						409	1210	2190	1490	903	852	1020	8474	n,p 2280	p 1249
East Williams Land Company	39.2R	1-16"											53	185	438	b 250	
J. H. Cave	39.9SR	1-10"							NO DIVERSION								
Leon Paulo and L. W. Seaver	40.0L	3-16"	3						1570	1040	1240	760	347		4960	381	375
J. H. Cave	40.5R	1-14"							NO DIVERSION								
Lloyd W. Seaver and F. J. Byington	41.5L	q 3-16"	8	3	414		42	150	780	919	1250	936	199		4701	312	508
Coffman and Campbell	42.6L	1-16"							374	386	508	303			1571		225
Louis C. Sutton	42.7R	1-16"							NO DIVERSION								
Watt Brothers	43.2L	1-16"							NO DIVERSION								
Watt Brothers	43.4R	1-12"							NO DIVERSION								
J. Ash	45.0L	2-16"							646	714	749	846			2955	35	381
Charles W. Welch	45.0R	1-12" 1-15"							NO DIVERSION								
[illegible] Sportsman Club	46.[illegible]	1-[illegible]							NO DIVERSION								
I. C. Zumwalt	46.[illegible]	1-24"							NO DIVERSION								
Lloyd Kahn (h)	[illegible]	[illegible]										12	47	[illegible]	[illegible]	[illegible]	
Lloyd Kahn	47.5 (0.4)	2-16"	1					143	454	601	431	716			[illegible]		[illegible]
Charles W. Welch	48.7I(0.2)	1-12"							171	37					r [illegible]		

TABLE [illegible]

DIVERSIONS AND ACREAGES IRRIGATED
COLUSA BASIN DRAIN* (continued)

November 195[illegible] through [illegible]ber 19[illegible]

Water User	Mile and Bank **	Number and Size of Pump	Monthly Diversion in Acre Feet											Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Charles A. Aelich	49.7L(0.3)	1-12"							[illegible]								
Charles A. Aelich	49.7R(0.3)	1-14" 1-16" 2-20"	200	165	[illegible]				1660	[illegible]	168	144	124	154	9388	s 800	600
Del Valley Farms, Incorporated	49.1R	1-10"	20										4	58	82	b 50	
Lynn and Bohne	49.59L(0.3)	1-10" 1-12"							239	222	262	274			997		133
L. A. Guerin and A. J. Thompson	49.59R	1-12"	12										16	51	79	b 60	
Helphenstine Rice Lands	49.69L	1-16"	58	69				102	478	703	693	624	141	[illegible]	2925		t 179
A. Butler, E. Meyer and J. Jones	49.7L	1-14"	14	4								3	22	27	70	b 17	
Longwell Acres (u)	50.5L(0.3)	1-10"			43							7	56	64	170	b 49	
Manuel Barrett	Opp. 53.6R(1.3)	1-12"							[illegible]								
Princeton-Codora-Glenn Irrigation District	54.2L	2-18"						469	1680	2130	2220	2050	211		9760	v	v
John S. Lopes	54.9R	1-12"							[illegible]								
J. P. Cardoza	55.0R	1-4"	13	15	8			3	19	26	26	13	4	17	144	b	w 20
Provident Irrigation District (Willow Creek Plant)	Opp. 57.5R(2.4)	1-24" 1-36"							36	10	8	209			x 263		
--LATERAL HIGHWAY - BUTTE CITY TO WEST SIDE--	57.5																
Walter McGowan	58.4L	1-8" 2-16"							[illegible]								
Joe Navarro	59.0R	1-18"							60	58	76	58	95	32	379	100	
Provident Irrigation District (Drain 55)	Opp. 61.2R(1.5)	Gravity	442	526	30			722	5710	5740	6780	6200	4260	2650	x 33060		
Dorothy Foote	62.4L	1-16"							[illegible]								
Provident Irrigation District	Opp. 62.8L(2.5)	2-16"						142	788	574	931	760	107		x 3271		
Terrill Knight	63.2L	1-12" 1-16"							511	467	503	644	102		2227		490
Demmer and Bohach	63.7L	1-12"							197	181	190	186	53		807		y 203
John M. Demmer and Mary R. Bohach	64.1L	1-12" 1-14"							531	451	546	540	169		2237		y
Provident Irrigation District (Colusa Drain)	64.2R(0.1)	1-20" 1-24"							1970	2550	2280	2440	134		x 9374		
Provident Irrigation District (Drain 13)	Opp. 64.2R(2.6)	1-16" 1-20" 1-24"						668	2540	2340	1950	1750	610	82	x 9840		
Provident Irrigation District (Drain 13)	Opp. 64.2R(2.6)	Gravity	442	247	9			157	1080	686	1200	1350	1160	913	x 7244		
Ray Funke (h)	[illegible]	1-4"									1				z 1		
COLUSA BASIN DRAIN																	
Total			1973	2206	709	13	42	3256	29623	30900	30330	32690	13240	8178	159200	9014	6703
Average cubic feet per second			33	36	12	0	1	55	482	519	591	531	223	133	220		
Monthly use in per cent of seasonal			1.2	1.4	0.5	0.0	0.0	2.0	18.6	19.4	22.8	20.5	8.3	5.1			

* Carries return water from Colusa Basin along west border at Reclamation Districts 108 and 787 and then discharges to Sacramento River at Mile 34.1SR or partial diversion via Knights Landing Ridge Cut.

** Mileage along Colusa Basin Drain from function with Sacramento River.

a Combined acreage for Mile 0.1L and Sacramento River at Mile 34.5R.

b All duck club lands.

c Replaces an 18" unit.

d Two 16" units were removed in 1958.

e The acreage listed for Mile 15.7SR also received 186 acre-feet of water from Mile 18.1R.

f The 8" unit was a temporary installation in 1958.

g Previously listed as [illegible]pp. 2.6L(0.3).

h New installation in 1958.

i This acreage also received an undetermined amount of well water.

j This water was served to acreage listed for Mile 154.[illegible] on Sacramento River and includes an undetermined amount of water returned to Colusa Basin Drain by spill.

k All duck refuge lands.

m Of this acreage, 20 were reused for duck ponds.

n Of this acreage, 80 were reused for duck ponds.

p This acreage also received an undetermined amount of controlled drainage water.

q Previously listed as 4-16" units.

r The acreage listed for Mile 103.8R on Sacramento River also received 740 acre-feet from Mile 48.7L(0.2).

s Of this acreage, 300 were reused for duck ponds.

t Of this acreage, 35 were reused for duck ponds.

u Installed prior to 1958. Not previously listed.

v Combined acreage for Mile 54.2L and plants on Sacramento River at Miles 112.6R and 123.9R.

w This acreage was reused for duck ponds.

x This water was served to acreage listed for Mile 124.2R on Sacramento River.

y Combined acreage for Miles 63.7L and 64.1L.

z Stock water.

TABLE 372

DIVERSIONS AND ACREAGES IRRIGATED
KNIGHTS LANDING RIDGE CUT

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--STATE HIGHWAY 24 BRIDGE--	0.3																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	0.7																
S. L. Wallace	0.8R	1-16" 1-20"							186	180	314	322	153	73	1228	a 1439	
M. H. Richardson	0.82L	1-14"							447	290	438	436	6		1617	140	70
--RECLAMATION DISTRICT 730 DRAINAGE PLANT 2--	3.2R																
Ralph W. Pollock	3.5L	Gravity							19	19	20				58	a 60	
W. K. Lowe	4.3R	b 1-16"							33		59	316			408	230	
Ralph W. Pollock	4.55L	1-16"								40	20	48			108	85	
Albert Bacchini	4.7R	1-6"								23	10	23			56	23	
Hershey Estate	4.75L	1-24"						NO DIVERSION									
Hershey Estate	5.25R	1-16"						NO DIVERSION									
--WEST LEVEE YOLO BYPASS--	6.3																
Hershey Estate	6.3R	Gravity						NO DIVERSION									
Hershey Estate	6.3	Gravity									173	110			283	c 125	
Sacramento River Ranch	6.3L	d Gravity								489	804	759	99		c 2151	e 630	e,f 460
KNIGHTS LANDING RIDGE CUT Total			0	0	0	0	0	0	685	1041	1838	2014	258	73	5909	2732	530
Average cubic feet per second			0	0	0	0	0	0	11	17	30	33	4	1	8		
Monthly use in per cent of seasonal			0.0	0.0	0.0	0.0	0.0	0.0	11.6	17.6	31.1	34.1	4.4	1.2			

* Mileage downstream from head on Colusa Basin Drain near Knights Landing. Flow is principally Colusa Basin drainage diverted to the Ridge Cut by checking at Knights Landing Outfall Gates.
a This acreage also received an undetermined amount of well water.
b Two 16" units were removed in 1958.
c The acreage listed for Mile 6.3 also received 197 acre-feet of water from Mile 6.3L.
d This was also a gravity diversion in 1957.
e All acreage in Reclamation District 1600.
f This acreage also received 1110 acre-feet of water from Mile 22.5R, Sacramento River.

TABLE 373

DIVERSIONS AND ACREAGES IRRIGATED
YOLO BYPASS (East Borrow Pit or Tule Canal)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Swanston Land Company	a 1.8S(0.5)	1-14"						NO DIVERSION									
Swanston Land Company	a 1.5S	1-14"						NO DIVERSION									
Swanston Land Company	a 1.1S	1-18" 1-20"						NO DIVERSION									
--GAGING STATION - YOLO BYPASS BELOW SACRAMENTO BYPASS--	1.0S																
Swanston Land Company	a 0.9S	1-14"									202	404			606	460	
Swanston Land Company	a 0.5S	1-14"						NO DIVERSION									
--GAGING STATION - YOLO BYPASS ABOVE SACRAMENTO BYPASS--	0.0																
Swanston Land Company	a 1.8N	1-16" 1-20"							104	470	616	603	193		1986		169
Knaber, Alexander and Barsoom	2.4N	1-20"								323	317	382	167	3	1192	775	
--SACRAMENTO-WOODLAND HIGHWAY--	6.1N																
--SACRAMENTO-WOODLAND RAILROAD BRIDGE--	6.2N																
City of Woodland	a 6.5N	1-16"										502			502	b 370	
--ACHE[illegible]--	7.0N																

TA[illegible]

DIVERSIONS AND ACREAGES IRRIGATED
[illegible] BYPASS [illegible]East Borrow Pit [illegible] Tule Canal [illegible]ntinued

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Hershey [illegible]state	a 9.5N	1-16"							[illegible]								
--KNIGHT[illegible] LAN[illegible] RIDGE CUT--	9.5N																
--RECLAMATION DISTRICT 1600 DRAINAGE PLANT--	10.[illegible]																
YOLO BYPASS (East Borrow Pit of Tule Canal)																	
Total			[illegible]	3[illegible]	[illegible]	0	0	0	104	793	1135	1891	360	3	423[illegible]	1[illegible]	[illegible]
Average cubic feet per second			[illegible]	0	[illegible]	0	0	0	2	13	18	31	6	[illegible]			
Monthly use in per cent of [illegible]			[illegible]	0.0	0.0	0.0	0.0	0.0	2.4	18.5	24.6	44.1	8.4	[illegible]			

* Mileage is given northerly [illegible] southerly from North Levee of Sacramento Bypass. Diversions from East Borrow Pit of Yolo Bypass are primarily from water diverted through Knights Landing Ridge Cut.

a Indicates that land irrigated is within bypass area.
b The main source of water for this acreage is the Woodland Sewer Farm.

TABLE 10[illegible]

DIVERSIONS AND ACREAGES IRRIGATED
LOWER BUTTE CREEK AND BUTTE SLOUGH

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Lower Butte Creek	*																
Reclamation District 1004	3.2[illegible]	1-14"									13				13	35	
Reclamation District 833	3.3L	1-16"								77	608	597	10	12	[illegible]30[illegible]	[illegible]25	
Colusa Shooting Club	[illegible].4L	1-16"									131	[illegible]	35	421	[illegible]82	a [illegible]0	
West Butte Farms Company	4.25L	1-13"									40[illegible]	59			47[illegible]	5[illegible]	
Reclamation District 1004	4.3R	1-20" 1-24"	[illegible]51	[illegible]20	350					437	1200	1180	1240	560	354	b [illegible]492	85[illegible]	[illegible]300
El Anzar, Incorporated	5.7L	1-12"						[illegible]									
Field and Tule	7.1L	1-16"						[illegible]									
White Mallard Duck Club	11.[illegible]	Gravity	100	100									375	647	1223	d,e [illegible]0	
White Mallard Duck Club	11.[illegible](0.5)	1-12" 1-16"	269	136	111					9	93				e 607		
Reclamation District 1004	12.8R(2.[illegible])	Gravity	4640	4110									2420	2[illegible]0	f 171[illegible]	f 152[illegible]	
Reclamation District 1004	Upp. 14.4R(0.2)	Gravity	1580	1480										594	f 3654		
Compton Hills Ranch [illegible]	Upp. 14.4[illegible](0.4)	h [illegible]-16"									1	44	17		[illegible]	80	
--[illegible]HILL TRACT BRIDGE--	15.[illegible]																
Butte Basin Gun Clubs	15.[illegible]	Gravity	2000	2000											[illegible]	d [illegible]	
Murdock Land Company	17.[illegible]	1-16"						5	30	62	[illegible]2	35	59	[illegible]	[illegible]	[illegible]24	
--BIG [illegible]-[illegible]N [illegible]AL BRIDGE--	19.4																
Murdock Land Company	Upp. 19.8R(0.[illegible])	1-14"						[illegible]									
Homar and Homar A. Charles	Upp. 21.7R(0.[illegible])	2-16"	103	37	15								92	121	[illegible]28	[illegible]2	
McGowan Brothers	Upp. 20.[illegible](0.[illegible])	1-16"						[illegible]									
McGowan Brothers	21.[illegible]	1-20"						[illegible]									
E. McPherron	[illegible]1.1L	1-16" 1-20"							509	492	524	492	122		21[illegible]		[illegible]
Mary [illegible] Mullen [illegible]	Upp. 21.4[illegible](1.[illegible])	1-16"								30	30	14			[illegible]		
McGowan Brothers	Upp. 22.4R(0.[illegible])	1-16"						[illegible]									
McGowan Brothers	Upp. 22.4[illegible](1.[illegible])	1-16"							[illegible]	[illegible]4	[illegible]99	332	43		[illegible]48		[illegible]4
--[illegible] [illegible]-[illegible] [illegible]TY [illegible]AD BRIDGE--	22.5																
McGowan Brothers	23.[illegible]	1-16" 1-20"						[illegible]	[illegible]4	[illegible]							
Harris Lands	23.0L	1-16"						20	[illegible]	30	[illegible]3	[illegible]	[illegible]4	[illegible]	[illegible]	[illegible]	
McGowan Brothers	Upp. 23.[illegible](0.[illegible])	1-16"							29	[illegible]24	[illegible]8	[illegible]7	182		[illegible]2		[illegible]2
McGowan Brothers	Upp. 23.[illegible](0.[illegible])	1-16"						[illegible]									
McGowan Brothers	Upp. 24.[illegible](1.[illegible])	1-16" 1-20"						102	1120	[illegible]4	[illegible]0	[illegible]4	[illegible]4		[illegible]0		[illegible]4
McGowan Brothers & [illegible]	Upp. 25.[illegible](1.[illegible])	1-16"							47	343	[illegible]7	24	31		[illegible]45		[illegible]1
Butte Baldwin and Charles F. Clayton	Upp. 25.[illegible](1.[illegible])	2-16"							[illegible]								

TABLE 37a

[illegible] AND DIVERSIONS FOR IRRIGATION
[illegible] BUTTE CREEK AND BUTTE SLOUGH (continued)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible]	2.[illegible]	.-14"						[illegible]									
[illegible]	3.2L	1-20"							[illegible]								
[illegible]	[illegible].3																
Butte Slough	**																
-- ADJACENT RIVER WITHDRAWAL--																	
Butte Slough Irrigation Company	**	Gravity													[illegible]		
L. Marty	**.3	----"							14	12	[illegible]	[illegible]	40	[illegible]	[illegible]	[illegible]	[illegible]
-- BUTTE CREEK--																	
Mrs. Annie M. Smith (h)	[illegible].3L	.-7"						[illegible]									
L. Marty	1.3L	4-"									13	32	42		87	38	
Mrs. Annie M. Smith	1.4L	1-5"									146	95			235	253	
Fred Tarke	1.9L	----"						[illegible]									
--MAYS N BRIDGE--	2.1																
J. V. Rawley	2.5L	1-14"								152	25	55			232	p 358	
L. E. Smith	3.0L	1-10"									53	40			93	121	
Pearl Clark and Alice Brewer	3.5L	1-10"								37	50	47	40	10	184	101	
P. A. Pelsche	3.7L	1-10"									9	9			18	37	
Granniman and Pieth	4.0L	1-5"										9			9	9	
P. A. Pelsche	4.1L	1-10"									1		5		6	2	
W. J. Hankins	4.2L	1-12"								43	30	19			92	46	
C. B. Hansen	5.1L	1-12"								97	28	35	22		242	14	
g MUR BUTTE CREEK AND BUTTE SLOUGH																	
Total			443	874	47	0	0	192	3938	4325	6003	5062	4216	3413	30806	[illegible]	131
Average cubic feet per second			159	142	8	0	3	3	64	73	98	82	71	137	71		
Monthly use in per cent of [illegible]			1.8	17.2	0.9	0.0	0.0	0.4	7.8	8.5	11.8	9.7	8.3	10.6			

* Mileage on Lower Butte Creek from junction with Butte Slough at Mile 0.0L.
** Mileage on Butte Slough from junction with Sacramento River at Mile 84.2L.
a Includes 500 acres of duck club lands which also received an undetermined amount of controlled drainage water.
b Includes an undetermined amount of water served to the acreage listed for Mile 89.2SL on Sacramento River. Of this acreage, 200 were reused for duck ponds.
d All duck club lands.
e The acreage listed for Mile 11.9R also received 507 acre-feet of water from Mile 11.8R(0.5).
f 201 acres of rice and 78b acres of general crops listed for Mile 12.1L on Sacramento River also received an undetermined amount of water from plants on Lower Butte Creek at Miles 11.9 (2.6 and pp. 14.4(0.2).
g Formerly listed as Murdock Land Company.
h Previously listed as a 14" unit.
i Formerly listed as R. H. Hulen estate.
j A 14" and a 16" portable unit also operated temporarily at this location in 1958.
k New installation in 1958.
m Flow in Butte Slough, derived from Lower Butte Creek, is controlled by Outfall Gates at junction with Sacramento River and is thereby retained in Butte Slough to discharge into East and West Borrow Pits of Sutter Bypass near "Long Bridge". The Outfall Gates are maintained by the Department of Water Resources and are operated cooperatively with the Butte Slough Irrigation Company. See Sutter Bypass diversions.
n No diversion in 1957.
p Includes 80 acres of Straub Lands.

TABLE [illegible]

[illegible] AND DIVERSIONS FOR IRRIGATION
[illegible] BUTTE SLOUGH AND [illegible] SLOUGH

November 1957 through [illegible] 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
West Borrow Pit of Sutter Bypass [illegible]	*																
-- [illegible] --	.																
. Fred [illegible]	b [illegible].8	.-12						[illegible]									
-- [illegible] --	14.7																
utter Mutual Water [illegible]mpany	17.5	1-1									1[illegible]	188			[illegible]	311	
-- [illegible] --	[illegible].9																
-- [illegible] --	[illegible].3																
[illegible] and [illegible]	[illegible]	.-7" 1-24"		[illegible]	[illegible]			192	1130	13[illegible]	157	1[illegible]	87[illegible]	47[illegible]	[illegible]332	[illegible]1[illegible]4	12
[illegible] [illegible]upt Irrigation [illegible]pany Limited	[illegible]	Gravity						[illegible]7	4[illegible]	2[illegible]	[illegible]46	[illegible]3[illegible]			[illegible]	d	d
[illegible] Slough Irrigation [illegible]mpany Limited	[illegible].4	[illegible]						[illegible]	12[illegible]	131	14[illegible]	[illegible]	13		[illegible]	[illegible]330	d 11
Fred [illegible]	[illegible]	.-4" e 1-8"								[illegible]	[illegible]	19	1[illegible]		47	[illegible]	
[illegible]	[illegible]	1-[illegible]"							[illegible]								

TABLE

[illegible] continued

November 195[illegible] through October 195[illegible]

Water User	Map and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov. - Oct. Acre Feet	Acreage Irrigated	
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		General	Rice
--STATE HIGHWAY 20 BRIDGE--	29.1																
Fred Tarke	29.2	4-10"									22				22	45	
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	29.2																
East Borrow Pit of Sutter Bypass (a)	**																
R. E. Hughes 8	b 0.9S	4-16"									146	104			250	470	
T. M. Richards	0.5S	f 1-18"						99	1510	914	501	823	468		3975	478	223
--GILLIS SLOUGH--	0.0																
R. E. Hughes 7	b 0.5N	1-14" 1-16"									86	80			166	500	
--RECLAMATION BOARD DRAINAGE PLANT 1--	1.1N																
Cliff P. Childers	8'0.3	1-16"						5	44	6	57	40			152	208	
Cliff P. Childers	8 1.2S	1-16"						18	273	207	205	140			843	80	200
E. M. Christensen and Sons	g 8(1.3S)	1-16"							1050	1120	1130	682			3982		320
E. M. Christensen and Sons	8(1.7S)	1-16"							502	659	534	487	37		2218		430
E. M. Christensen	8(2.8N)	1-12"						PLANT REMOVED									
E. M. Christensen	8(3.3)	1-14" 1-16"								658	169	505	22		1354	640	
E. M. Christensen (h)	8(3.5N)	1-18"							141	110	211	144	225	11	842	220	
E. M. Christensen (h)	8(3.9)	1-12"							109	21	134	102	83		449	100	
E. M. Christensen	8(4.0	1-18"						NO DIVERSION									
Rai Brothers	8(4.3)	1-12"						NO DIVERSION									
E. M. Christensen	8(4.35)	1-14"								338		321			659	320	
R. E. Hughes 6	b 1.5N	1-16"									45	35			80	80	
R. E. Hughes 5	b 2.9N	1-14"									155	155			310	320	
Leona Hughes	b 4.0N	1-14" 1-16"									193	201			394	437	
--STATE HIGHWAY 24 CAUSEWAY--	4.3N																
Leona Hughes	b 4.5N	1 2-14"								56	232	170			458	185	
Ira Mulligan	5.7N	1-16"							474	547	661	579	145		2405	135	240
R. J. Hughes 2	b 5.9N	1-14"								11	83	73			167	400	
J. Etcheverry	5.9N	1-14"							233	475	553	614	515		2390	340	70
O. [illegible]. Orrick	b 6.9N	2-16"								36	269	204			509	450	
Ira Mulligan	7.1N	1-16"							190	61	415	347			1013	j 340	j 140
--GILSIZER SLOUGH--	8.0N																
O. [illegible]. Orrick	b 8.0N(0.4S)	1-16"									135	86	13	99	333	k 135	
Crepps and Middleton	b 9.9N	1-15"			2					2	11	8			23	100	
Crepps and Middleton	b 10.0N	1-16"	91	53	1							75	385	276	881	m 200	
--RECLAMATION BOARD DRAINAGE PLANT 2--	10.0N																
Crepps and Middleton	88'0.3)	1-12"							231	393	326	295	89		1334		60
Dettling Brothers	88(0.9)	n 1-12" 1-20"								193	231	581	380		1385	400	
Rodeo Rooster Club	88(1.5)	1-3"						NO DIVERSION									
Sutter Extension Water District	88(2.0)	1-20" 1-30"	355					89	1280	168	215	132			2239	p	p
Ira Mulligan	88(2.3)	1-10"	37	57	27				32	2	14	17	2	1	189	q 25	
Ira Mulligan	88(2.5)	1-16"						8	621	545	703	509	13		2399	j	j
Bridge Investment Company	88(2.6)	1-16" 1-20"						244	802	930	1270	1110	304		4660	525	90
Bridge Investment Company	88(2.65)	1-24" --20"			103	115			703	1020	964	980	465		4812	302	150
Bridge Investment Company	88(3.0)	1-12"								61	14	73			138	60	
Percy Davis	88(4.5)	1-12"							113	91	107	63	59	25	455	160	
Sutter Extension Water District	88(6.7)	r 1-20"	40	40					511	375	595	32			1883	p	p
Federal Fish and Wildlife Service	b 11.5N	s 1-12"							52	304	300	263	240	288	1444	t 200	t 100
Federal Fish and Wildlife Service	b 16.3N	u 1-24" Gravity	781	1240					934	1460	1430	1280	1240	1240	9585	t 300	t 400
R. A. Schnabel	b 16.4N	1-14"	10	12							29	9	9	8	77	v 35	
--MADISON CANAL--	16.5N																
R. A. Schnabel	9(1.0L)	1-16"							403	530	605	612	94		2244	68	112
Fred S. Betty	9(1.0P)	1-10"							48	59	66	77	61		309	90	
A. T. and H. D. Brown	9(1.353)	1-10" 1-12"						NO DIVERSION									

TABLE 37[illegible]

DIVERSIONS AND ACREAGES IRRIGATED
SUTTER BYPASS AND SACRAMENTO SLOUGH (continued)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible]	V(1.36R)	1-15"						[illegible] DIVERSION									
Jesper Bellorg	V(1.5R)	1-14"								61	61	69	58		249	106	
Albert Thomsen	V(1.7)	1-16"						NO DIVERSION									
[illegible]	(2.[illegible])																
Clara Farrington	V(2.5R)	1-10"						16	166	185	195	173	66		w 801		
Apperson, Kennedy and [illegible]quin	V(2.5R)	1-10"						20	194	181	193	172			760		w 93
[illegible]quin	V(3.0)	1-14"						NO DIVERSION									
[illegible]	V(3.6R)	1-10" 1-16"							63	25	97	38	95	2[illegible]	335	120	
[illegible]	3.[illegible]																
[illegible]	1..7R																
Fred [illegible] Betty	V(3.8)	1-8"								102	31	43	83		259	90	
Fred D. Betty	V(1.[illegible])	1-1[illegible]							3	49	74	56	14		146	38	
Fred D. Betty	V(1.[illegible])	1-14"									43	47			90	58	
Fred [illegible] Betty	V(1.4)	1-16"							371	491	519	544	50		1975		80
Mrs. M. C. and C. H. Apperson	V(1.4R)	1-10"	1							142	164	63			370	145	
Mrs. M. C. and C. H. Apperson	V(1.5)	1-10"						NO DIVERSION									
Mrs. M. C. and C. H. Apperson x/	V(1.5R)	1-16"								59	97	10			1[illegible]	110	
C. [illegible]	V(1.[illegible])	2-14"	16	28					208	311	347	345	135		1[illegible]		y 21
Mrs. M. C. and C. H. Apperson	V(1.[illegible])	1-8"									50				5	50	
Ander Parke	V(3.6)	1-16"									86				8[illegible]	[illegible]	
Edward Dean	b 14.7R	1-12"	30	21	9					47	66	72	113	23	3[illegible]	v 9[illegible]	
Edward Dean	b 14.7R	1-16"						NO DIVERSION									
Frye, Bryant, and Frye	b 1[illegible]	1-20"						NO DIVERSION									
Apperson, Myers, DeWitt and Middleton	19.1R	1-12"								114	306	176			596	z 723	
C. C. Madden	19.3R	1-16"									158	15	78		251	158	
[illegible]	19.9R																
[illegible]	20.0R																
Sacramento Slough																	
[illegible] James	1.[illegible]	1-12"						NO DIVERSION									
[illegible]			13.1	23[illegible]	332	0	0	716	14260	15980	19590	18180	6971	2469	9211	[illegible]83	3098
Average cubic feet per second			.73	.39	5	0	0	12	232	269	319	296	115	[illegible]0	12[illegible]		
Monthly use in per cent of [illegible]			1.6	[illegible].9	0.4	0.0	0.0	0.9	17.4	19.5	23.4	22.1	8.4	3.[illegible]			

- [illegible]ineages on West Borrow Pit are given northerly from drainage plant of Reclamation District 1000. Mile 9.1R on West Borrow [illegible] opposite Chandler.
- [illegible]. ages on East Borrow Pit are given northerly or southerly from Chandler.
- * Acreages on Sacramento Slough are given easterly from drainage plant in Reclamation District 1500 which is at head of Slough.
- B Plant located on the main drainage canal for Drainage Plant 1 that joins East Borrow Pit of Sutter Bypass at Mile 1.6R. Figure in parentheses indicates distance along drain from East Borrow Pit.
- BB Plant located on drainage canal for Drainage Plant 2 that joins East Borrow Pit of Sutter Bypass at Mile 1.[illegible]R. Figure in parentheses indicates distance along drain from East Borrow Pit.
- V Plant located on Wadsworth Canal which joins East Borrow Pit of Sutter Bypass at Mile 1[illegible]. Figures in parentheses indicate distance along canal from East Borrow Pit.
- VV Plant located on Meridian Creek which joins East Borrow Pit of Sutter Bypass at Mile 1[illegible]. Figure in parentheses indicates distance along creek from East Borrow Pit.
- a Water used for irrigation in Sutter Bypass is mainly Feather River return water which enters East and West Borrow Pits via Sutter Slough, Sutter Bypass, and Wadsworth Canal.
- Not all the area irrigated is within Bypass.
- f This is a refuge, [illegible] were reused for duck ponds.
- j Combined acreage for Miles [illegible] and 28.4R.
- o Previously listed as a temporary installation.
- f This 18" unit was also used in 1957.
- g Plant moved from Mile 8(1.3) in 1958.
- h New installation in 1958.
- i One 14" unit was installed in 1958.
- j Combined acreage for Miles 7.1R and 8R(2.5).
- k Of this acreage, 35 were reused for duck ponds.
- m All duck club lands.
- n Temporary installation in 1958.
- p Combined acreage for Miles 10.0R(2.0) and 10.0R(6.7) and plants on Feather River at Mile 38.1R and Sutter Extension Water District at Mile 58.1R.
- q Of this acreage, 15 were reused for duck ponds.
- r An 8" unit was a temporary installation during 1957.
- s Previously listed as a 10" unit.
- t All duck refuge lands.
- u Previously listed as a 20" unit.
- v This acreage was reused for duck ponds.
- w The acreage listed for Mile V(2.5R) plant for Apperson, Kennedy and Joaquin received 801 acre-feet of water from Mile V(2.5R) plant of Clara Farrington.
- x Formerly listed as C. C. and C. H. Apperson.
- y Of this acreage, 25 were reused for duck ponds.
- z Includes acreage as follows: Apperson 435, Middleton 435, A. Hall 104, C. Madden 98, C. and L. DeWitt 55, M. DeWitt 48, and L. Myers 47.

TABLE 37c

DIVERSIONS AND ACREAGE IRRIGATED
FEATHER River

November [illegible] through [illegible] 19[illegible]

Water User	Map and Bank [illegible]	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion from Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Walter Raymond	[illegible]	a [illegible]									34	237	29		[illegible]	[illegible]	
Walter Raymond	1.6R	b 1-18"										[illegible]	[illegible]		[illegible]	[illegible]	
Kipp and Reith	2.2L	[illegible]								92	[illegible]	62			[illegible]	[illegible]	
Walter Raymond	2.6[illegible]	2-20"									150	492	27		[illegible]	[illegible]	
John D. Johnston	3.[illegible]	1-[illegible]						[illegible]									
Walter Raymond	[illegible]	c 1-10"										[illegible]	15		[illegible]	[illegible]	
D. R. Toledo and Son	[illegible]	[illegible]								[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
White Oak Ranch	[illegible]	1-[illegible]							23	189	238	[illegible]	[illegible]	49	[illegible]	[illegible]	[illegible]
A. L. Waymore Estate [illegible]	[illegible]	[illegible]							53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M. Scheiber	[illegible]	1-[illegible]							[illegible]	[illegible]	52	45	59		[illegible]	[illegible]	
--GAGING STATION - FEATHER RIVER AT NILES---	9.2L																
Leo Muller	[illegible]	[illegible]									[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
T. [illegible] Richards	[illegible]	[illegible]						[illegible]	[illegible]								
--BEAR RIVER--	12.0L																
Garden Highway Mutual Water Company	13.1R	2-20" 1-24"						[illegible]	3063	[illegible]	2900	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
Plumas Mutual Water Company	17.5L	2-20"							[illegible]	981	1090	1290	590	2[illegible]	[illegible]	[illegible]	[illegible]
Tudor Mutual Water Company	[illegible]	2-30" 1-35"						251	[illegible]	[illegible]	[illegible]	1290	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] T. Shannon	[illegible]	1-18"							[illegible]	59	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
Oswald Water District	21.0R	[illegible]							334	564	494	391	341		[illegible]	[illegible]	
A. J. De Gloria	21.9L	1-[illegible]						[illegible]	[illegible]								
--GAGING STATION - FEATHER [illegible] RIVER BELOW LEVEE AT BLACKS--	[illegible]																
Earl R. Huffmaster	25.[illegible]	[illegible]						[illegible]	[illegible]								
--[illegible] RIVER--	27.3L																
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.2[illegible]																
--10TH STREET HIGHWAY BRIDGE--	28.2																
Thomas, Di Foire, Campisi and Perrucci	30.9[illegible]	1-24"								[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	
Ray Chandler	32.3R	1-10"						[illegible]	[illegible]	[illegible]							
A. A. Silgar and Son	33.1L	1-3"						[illegible]	[illegible]	[illegible]							
Henry Everett	33.2[illegible]	1-[illegible]						[illegible]	DIVERSION								
J. D. Prandiville	33.3R	1-10"							33	78	73	26			21[illegible]	[illegible]	
J. L. Sullivan, Jr.	33.9R	1-10"							16	70	89	39			21[illegible]	[illegible]	
Sutter Extension Water District	38.1R	1-20" 2-[illegible]"							102			[illegible]			[illegible]	[illegible]	[illegible]
La Finca Orchard	[illegible]	[illegible]						[illegible]	[illegible]								
--[illegible] SLOUGH--	[illegible]																
Mathews, Sullivan and Prandiville	[illegible]	[illegible]							208	191	2[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
Matsumura Brothers	[illegible]	1-8"							[illegible]	[illegible]	[illegible]	10	[illegible]		[illegible]	[illegible]	
A. J. Fairey [illegible]	[illegible]	1-8"							[illegible]	19	83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
A. R. Madsen	[illegible]	[illegible]							7		12	3			[illegible]	[illegible]	
[illegible] Earl Alley	[illegible]	1-[illegible]									21	[illegible]			[illegible]	[illegible]	
Herringer Enterprise	[illegible]	1-20" 1-[illegible]"						[illegible]	391	[illegible]	1340	[illegible]	[illegible]		[illegible]	[illegible]	
A. L. Robbins, Jr.	[illegible]	1-[illegible]						[illegible]	[illegible]								
Manual Aguiar	[illegible]	1-[illegible]								2	[illegible]	15	[illegible]		[illegible]	[illegible]	
Manual Aguiar	[illegible]	1-12"							20	[illegible]	[illegible]	79	91	[illegible]	[illegible]	[illegible]	
Robert D. Biggs	[illegible]	1-[illegible]								[illegible]	109	22	21		[illegible]	[illegible]	
Robert D. Biggs	[illegible]	1-10"								84	[illegible]	24			[illegible]	[illegible]	
Bowers Ranch	[illegible]	[illegible]							39	[illegible]	26	2	[illegible]		[illegible]	[illegible]	
--RIDLEY BRIDGE--	[illegible]																
--GAGING STATION - FEATHER RIVER NEAR GRIDLEY--	[illegible]																
Roy Mathews	[illegible]	[illegible]							25	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
Robinson Estate	[illegible]	[illegible]						[illegible]	[illegible]								
S. T. Machado	[illegible]	[illegible] [illegible]						[illegible]	[illegible]								
M. A. Pedroza and Sons	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
A. E. Bettencourt	[illegible]	[illegible]							[illegible]	[illegible]							
Steadman Orchards	[illegible]	s 1-3" s 1-5" 1-[illegible]"								[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	

TABLE 376

DIVERSIONS AND ACREAGES IRRIGATED
FEATHER RIVER (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
S. J. and J. R. Fratus	52.1L	1-8" 1-10"						99	361	329	347	311			1447	49	40
S. J. and J. R. Fratus	52.2L	1-5"						NO DIVERSION									
Mart Butler	52.5L	1-7"	1					16	63	94	85	84	49	34	u 426	86	
Moe Fruitman	52.7L	1-8"							10	41	56	19	32		158	u 80	
Carl Lee Walker	53.3L	1-6"								66	85	73	53	29	306	g 87	
Hearst Magazines, Incorporated	55.1L	1-14"						NO DIVERSION									
Henry Haselbusch	57.9R	1-9"								14	37	18			69	48	
--SUTTER BUTTE CANAL COMPANY DAM--	57.9																
Butte Water District	v 58.1R	Gravity	2870					4770	22700	23600	22900	18400	23100	20900	139200	12374	1413
Biggs-West Gridley Water District	v 58.1R	Gravity						2390	27300	24200	25300	23700	9460	4370	116700	3738	w 7630
Richvale Irrigation District	v 58.1R	Gravity						754	26600	19700	20700	19100	4900	1580	93330	x 723	x, x 10645
Sutter Extension Water District	v 58.1R	Gravity						3390	31900	30100	31000	27900	10300	5400	139900	x	x
--WESTERN CANAL COMPANY DAM--	61.1																
Western Canal Company	61.2R	Gravity	9650	4770				1060	20800	21900	27100	26100	8430	16500	y 136300	2026	13800
--OROVILLE-RICHVALE HIGHWAY BRIDGE--	62.6																
--OROVILLE-CHICO HIGHWAY BRIDGE--	65.0																
--GAGING STATION - FEATHER RIVER NEAR OROVILLE--	71.0																
FEATHER RIVER																	
Total			12520	4771	0	0	0	12690	134500	127800	136800	125200	59340	49140	662900	35	4
Average cubic feet per second			210	78	0	0	0	213	2187	2148	2225	2036	997	799	916		
Monthly use in per cent of annual			1.9	0.7	0.0	0.0	0.0	1.9	20.3	19.3	20.6	18.9	9.0	7.4			

* Plant is located on Roncut Slough which diverts Feather River water backed into Slough. Mouth of Roncut Slough is at Mile 43.7L. Distance from Feather River and bank are shown in parentheses.
a Combined acreage for Miles 0.6R and 1.0R.
b Replaces a 16" unit.
c Replaces a 6" unit.
d Includes 180 acres which also received an undetermined amount of well water and controlled drainage water.
e This acreage also received an undetermined amount of well water and controlled drainage water.
f Formerly listed as A. L. Raymore.
g This acreage also received an undetermined amount of well water.
h Includes 20 acres which also received an undetermined amount of well water.
i Includes 15 acres which also received an undetermined amount of well water.
j Includes 260 acres which also received 385 acre-feet of well water.
k Combined acreage for plant at Mile 38.1R, Sutter Extension Water District at Mile 58.1R and the plants on Sutter Bypass - East Borrow Pit, at Miles 10.0R(2.0) and 10.0R(6.7).
m This acreage also received an undetermined amount of controlled drainage water.
n Formerly listed as Ray Washburn.
p 30 acres listed for Mile 47.4L also received an undetermined amount of water from Mile 47.9L.
q Includes 200 acres which also received an undetermined amount of well water.
r 61 acres listed for Mile 48.0L also received an undetermined amount of water from Mile 48.3L.
s The 3" and 5" units were temporary installations during 1958.
t All Chambers' lands.
u The acreage listed for Mile 52.7L also received an undetermined amount of water from Mile 52.5L.
v This is a common point of diversion for Butte Water District, Biggs-West Gridley Water District, Richvale Irrigation District, and Sutter Extension Water District.
w Includes 100 acres outside of District.
x Includes 191 acres outside of District.
y Includes diversions for duck water: November 9650, December 4770, September 1010, and October 16500.

TABLE 377

DIVERSIONS AND ACREAGES IRRIGATED
YUBA RIVER

November 1957 through October 1958

Water User	Mile and Bank above Marysville	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--Hallwood Irrigation Company (Discontinued)--	4.-																
Richard Silbur	4.9L	1-5" 1-10"								176	138	108	78		500	a 202	
--[illegible] LAKE [illegible]--	4.9																
--[illegible] STATION - YUBA [illegible] AT MARYSVILLE--	4.9																
Don Williams	1.4R	1-4" b 1-6"						3	4	7	4	7	8		33	9	
Lorin W. Trubschenck	1.8R	1-6"						[illegible]									
W. B. Harrington	2.2R	1-4" 1-5"						NO DIVERSION									
River Bend Ranch	3.-	1-14"								179	192	76	119		504	a 360	
W. W. Loimaugh ([illegible])	4.-	1-[illegible]"							13	5	16				34	26	
Richard Silbur	4.1L	-"- 2-14"						7	92	403	553	542	387		1984	a 350	
Di Giorgio Fruit Corporation	4.-	1-8"						NO DIVERSION									
--GAGING STATION - YUBA [illegible] NEAR MARYSVILLE--	5.2																
[illegible] Hendricks	6.2	1-12"						[illegible]									
--DA[illegible] A---	11.-																

TABLE 377

IVE[illegible]ON AND [illegible]EAGE[illegible] IRRIGATED
[illegible]A RIVER continued

November 1[illegible]7 through [illegible]ctober [illegible]58

Water User	Mile and Bank above Marysv[illegible]e	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible]allw[illegible]d Irriga[illegible]. m Company	[illegible]	Gravit	[illegible]	[illegible]	[illegible]		[illegible]	.735	[illegible]	[illegible]	[illegible]A	[illegible]	[illegible]	[illegible]	888[illegible]	[illegible]	f 163
[illegible]rdua Irrig[illegible]i[illegible] Company	[illegible]	Gravity	738	813	279			.820	122	[illegible] 70[illegible]	1190	1.80	75[illegible]	[illegible]	85[illegible]	g 3420	h [illegible]
--DRY [illegible]REEK--	[illegible]																
Yub[illegible] [illegible]nsolidated Gold Fie[illegible] [illegible]mpa y	[illegible]	Gravit					NONAGRICULTURAL USE										
--HIG[illegible]AY [illegible] BRIDGE--	[illegible].1																
--BEER CREEK--	[illegible].8L																
--ENGLEBRIGHT DAM--	22.8																
YUBA RIVER Total Average cubic feet per second Monthly use in per cent of annual			10[illegible]8 169 [illegible].7	1163 [illegible].88 6.5	[illegible]86 60 2.3	[illegible] [illegible] [illegible].6	1[illegible]90 [illegible]28 [illegible].6	4[illegible]60 [illegible]77 [illegible].4	28100 457 15.9	25[illegible]70 430 14.7	2890 47 16.3	2703 [illegible]4[illegible] 14.8	1651 277 9.3	18[illegible] [illegible] [illegible].[illegible]	[illegible]772[illegible] 2[illegible]	9574	[illegible]8

a This acreage also received an undetermined amount of well water.
b The 6" unit was installed in 1957.
c Formerly listed as River Bend Ranch
d Replaces a 12" unit.
e Of this acreage, 23 were reused for duck clubs.
f Of this acreage, 472 were reused for duck clubs.
g Includes 327 acres outside of District and 433 acres which were reused for duck ponds.
h Of this acreage, 1775 were reused for duck ponds.

TABLE 378

DIVERSIONS AND ACREAGES IRRIGATED
BEAR RIVER

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--MARYSVILLE-NICOLAUS COUNTY ROAD BRIDGE--	2.7																
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	3.4																
--WESTERN PACIFIC RAILROAD BRIDGE--	3.9																
--DRY CREEK--	4.5R																
--TRI-BRIDGE-WHEATLAND COUNTY ROAD BRIDGE--	6.8																
Whitney Warren	7.8R	1-6"	PLANT REMOVED														
W. H. Gilbert	8.1R	1-6"							19	21					39	a 50	
California Packing Corporation	9.0L	1-8"							29	40	8				77	a 234	
California Packing Corporation	10.7L	1-10"						21	151	172	166	163	76		749	a 230	
--HIGHWAY 99E BRIDGE--	11.3																
--GAGING STATION - BEAR RIVER NEAR WHEATLAND--	11.3																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	11.35																
BEAR RIVER Total Average cubic feet per second Monthly use in per cent of annual			0 0 0.0	0 0 0.0	0 0 0.0	0 0 0.0	0 0 0.0	21 0 2.4	198 3 22.9	233 4 26.9	174 3 20.1	163 3 18.8	76 1 8.8	0 0 0.0	865 1	514	

a This acreage also received an undetermined amount of well water.

TABLE 37

DIVERSIONS AND ACREAGES IRRIGATED
AMERICAN RIVER

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--GARDEN HIGHWAY BRIDGE--	0.2																
--HIGHWAY 40 AND 99E BRIDGE (16TH Street)--	1.9																
--WESTERN PACIFIC RAILROAD BRIDGE--	2.1																
Joe Gomez	2.4L	1-5"								5	7	3	2		17	9	
North Sacramento Lands Company	2.65R	1-8"							NO DIVERSION								
North Sacramento Lands Company	2.75R	1-5"							2	3	7	5	4	3	24	32	
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.0																
--ELVAS FREEWAY BRIDGE--	3.2																
--GAGING STATION - AMERICAN RIVER AT SACRAMENTO (N Street)--	6.0																
E. Clemens Horst Company	6.5R	1-6"							17	53	19	34			123	a 393	
E. Clemens Horst Company (b)	7.0R	1-4"						1	1	2	1				5	c 3	
E. Clemens Horst Company	7.5R	1-8"							32	24	40	5	4		105	a	
J. I. Naas, Incorporated	7.7R	1-4"							9	42	47	20	1	12	131	80	
Del Paso Rock Products Company	8.9R	1-1½"						NONAGRICULTURAL USE									
Walter J. Wissemann	9.0L	1-6"								33	41	2			76	37	
C. L. Browning	9.05R	1-5"							NO DIVERSION								
J. G. and F. P. Dauenhauer	9.2L	1-4"							7	16	23	6	10		62	60	
Ruth Coleman	9.4L	1-5"									10	10	12	3	35	d 50	
Del Paso Rock Products Company	10.2R	1-8"							2	31	1		10		44	23	
Gold Nugget Orchard Company	10.4R	1-5"							1	16	11	9			37	17	
Mucke Sand and Gravel Company	11.2L	1-4"			1			1	6	6	10	12	9	6	51	e 24	
J. T. Gore	11.5L	1-4"							10	11	22	30	19	15	107	50	
Riverview Enterprises	11.7L	1-4"							NO DIVERSION								
Carmichael Irrigation District	13.9R	1-14"						105	288	315	404	400	349	45	1906	f 3930	
J. R. Deterding	15.8R	1-4"							NO DIVERSION								
Carmichael Irrigation District	16.0R	1-6" 3-12"	107	19				54	566	599	843	880	674	602	4344	f	
--GAGING STATION - AMERICAN RIVER AT FAIR OAKS--	19.2																
AMERICAN RIVER																	
Total			107	19	1	0	0	161	941	1156	1486	1416	1094	680	7067	4708	
Average cubic feet per second			2	0	0	0	0	3	15	19	24	23	18	11	10		
Monthly use in per cent of annua.			1.5	0.3	0.0	0.0	0.0	2.3	13.3	16.4	21.0	20.0	15.5	9.7			

a Combined acreage for Miles 6.5R and 7.5R. This acreage also received an undetermined amount of well water.
b New installation in 1958.
c Acreage is used for airfield.
d This acreage also received an undetermined amount of well water.
e This acreage was double cropped.
f Combined acreage for Miles 13.9R and 16.0R. District is suburban land and no segregation of irrigated acreage is available. This acreage also received an undetermined amount of well water.

TABLE 38

DIVERSIONS AND ACREAGES IRRIGATED
PUTAH CREEK*

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
T. [illegible] Olide	0.8L	1-10"								17	24				41	a 57	
William [illegible]. Hamel	2.1R	1-4"								6					6	b 18	
William [illegible]. Hamel	2.7R	1-10"								19	40	63			b 122	c 60	
William [illegible]. Hamel	3.0L	1-4"								13	28	8			49	c 78	
H. Marden Wilbur	3.1R								NO DIVERSION								
--[illegible]NTY LINE [illegible]A BRIDGE--	3.8																
--GAGING STATION - [illegible]TH FORK PUTAH [illegible]R NEAR DAVIS--	7.2																
--[illegible]THERN PACIFIC RAILROAD [illegible]RIDGE--	7.5																
--U. S. HIGHWAY 40 BRIDGE--	8.0																

TABLE 38(

DIVERSIONS AND ACREAGES IRRIGATED
PUTAH CREEK* (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--WILLOW CANAL WASTEWAY--	8.8																
--GAGING STATION - PUTAH CREEK NEAR DAVIS--	9.0																
--PLAINFIELD ROAD BRIDGE--	10.0																
C. B. and Cornelia S. Phillips	12.6SR	1-6"	NO DIVERSION														
--GAGING STATION - PUTAH CREEK ABOVE DAVIS--	12.8																
--STEVENSON ROAD BRIDGE--	12.8																
Sam F. and Marie Dorton	13.1L	1-5"	NO DIVERSION														
Fentzling Ranch	13.9L	1-7"	4	6					15	30	15	11	1	1	83	19	
--GAGING STATION - PUTAH CREEK BELOW WINTERS--	17.0																
William H. Boyce	17.1R	1-6"							30	140	127	46			343	c 235	
A. C. A. Orchards	19.3L	1-4"	NO DIVERSION														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	19.9																
--COUNTY ROAD BRIDGE--	19.9																
--PUTAH DIVERSION DAM--	22.6																
--PUTAH SOUTH CANAL--	22.6R																
Jack and Grace Fay	24.0R	1-3"								1	2	1	5		9	22	
--COUNTY ROAD BRIDGE--	24.0																
Victor Tucker	24.0L	1-2"													d		
Mabel Goddard, et al.	24.9R	1-2½" 1-3"							19	14	27	10	28	18	116	72	
Mabel Goddard, et al.	25.2R	1-2½"									1	12			13	20	
L. A. and Clara Sackett	25.6R	1-3"								1	6	1	2		10	e 69	
L. A. and Clara Sackett	25.8R	1-3"										10	2		12	e	
--GAGING STATION - PUTAH CREEK NEAR WINTERS--	27.8L																
Samuel S. Silvey	28.4L	1-1½"					1	1	1	3	1	2	2	1	f 12		
--HIGHWAY 128 BRIDGE--	28.8																
--MONTICELLO DAM--	29.3																
PUTAH CREEK																	
Total			4	6	0	0	1	1	65	244	271	164	40	20	816	650	
Average cubic feet per second			0	0	0	0	0	0	1	4	4	3	1	0	1		
Monthly use in per cent of annual			0.5	0.7	0.0	0.0	0.1	0.1	8.0	29.9	33.2	20.1	4.9	2.5			

* Diversions shown in this table below Mile 7.2 are considered as Delta Uplands diversions.
a The acreage listed for Mile 0.9L also received an undetermined amount of water from Yolo Bypass(West Cut) at Mile 17.1R(1.8).
b The acreage listed for Mile 2.1R also received an undetermined amount of water from Mile 2.7R.
c This acreage also received an undetermined amount of well water.
d Total diversion of 0.1 acre-foot used for stockwater.
e Combined acreage for Miles 25.6R and 25.8R.
f This diversion for stockwater, domestic and garden use.

TABLE 38(

DIVERSIONS AND ACREAGES IRRIGATED
COSUMNES RIVER*

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--WESTERN PACIFIC RAILROAD BRIDGE--	0.4																
R. L. Deller	0.8R	1-12"							19	25	33	26	26	18	147	45	
R. L. Deller	1.7R	1-10"										12			12	45	
Kenworthy and Patterson	2.0L	1-30"							329	379	366	547	74		1695	308	84
Nicolaus Ranch (a)	2.8R	1-6"	NO DIVERSION														
A. H. Watson	2.8L	1-8"	31	32						7	8	18			96	b 25	
Nicolaus Ranch (a)	3.1R	1-10"	NO DIVERSION														
--STATE HIGHWAY 104 BRIDGE--	5.3																
Fred G. Cary	6.0L	1-3"	NO DIVERSION														
L. C. Kilkeary and H. Trevor	9.8R	1-16"	93	102	27										222	b 815	
Jack Lewis	10.5R	c 1-18"							63	88	93	67	6		317	d 95	

TABLE 381

DIVERSIONS AND ACREAGES IRRIGATED
COSUMNES RIVER* (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--SOUTHERN PACIFIC RAILROAD BRIDGE--	10.6																
--U. S. 50 AND 99 HIGHWAY BRIDGE--	10.7																
--GAGING STATION - COSUMNES RIVER AT McCONNELL--	10.7																
J. C. Carli	14.3R	1-10"								36	32	31			99	40	
J. C. Carli	14.4R	1-10"						PLANT REMOVED									
M. F. Larkin	14.6L	1-5"								2	20	17			39	45	
--FREEMAN ROAD BRIDGE--	14.9																
Ralph Nix	15.2L	1-8"									24	9			33	25	
J. I. Nix	15.8L	e 1-14"									4	3			7	10	
Ralph Nix	15.9L	1-6"								4	3	3			10	16	
--WILTON ROAD BRIDGE--	16.8																
--CENTRAL CALIFORNIA TRACTION COMPANY RAILROAD BRIDGE--	16.8																
George D. Beitzel	18.2R	1-12"	7							19	33	6			65	b 145	
Bradley Ranch	18.9R	1-6"						NO DIVERSION									
Bright Estate	20.1R	1-10"							106	165	367	445	309		1392	b 300	
F. Barbero	21.6L	1-6"						NO DIVERSION									
J. F. Patterson	21.9R	1-6"						NO DIVERSION									
Rooney Brothers	23.7R	1-12"								43	64				107	f 150	
Cothrin and Grimshaw	24.4R	1-8"								33	27	11	9	12	92	69	
Francis Rooney	24.5R	1-12"								19	34				53	b 65	
--DILLARD ROAD BRIDGE--	24.8																
--RECORDING CAGE--	24.85																
P. Westerberg	25.5R	1-10"								42	69	38	14	49	212	125	
A. V. Signorotti	25.7R	1-3"						NO DIVERSION									
F. M. Grimshaw	25.9R	1-8"						NO DIVERSION									
A. V. Signorotti	26.3R	1-5"								8	11	9			28	14	
F. M. Grimshaw	26.4R	1-6"						NO DIVERSION									
G. C. Johnson	26.5L	1-6"								10	13				23	g 195	
G. C. Johnson	27.3L	1-5"								42	73	32	8		155	g	
R. Sartain	27.6R	1-6"									33	25	7		65	24	
F. Silva, Jr.	27.8L	1-6" 1-8"							15	76	97	39	61		288	b 165	
R. Sartain	28.6R	1-8"								4	38	40	53		135	51	
Schneider Ranch	30.0L	1-8"							9	116	127	121	109	117	599	105	
--STATE HIGHWAY 16 BRIDGE--	31.3																
A. Granlees	32.6R	1-4"								53	64	52	32	26	227	100	
--GRANLEES DAM--	33.0																
Cosumnes River Water District	33.0R	Gravity	12	29	43	39	42	7	818	934	797	1320	968	725	h 5734	797	
--GAGING STATION - COSUMNES RIVER AT MICHIGAN BAR--	34.3																
COSUMNES RIVER																	
Total			143	163	70	39	42	7	1359	2105	2430	2871	1676	947	11850	3774	84
Average cubic feet per second			2	3	1	1	1	0	22	35	40	47	28	15	16		
Monthly use in per cent of annua.			1.2	1.4	0.6	0.3	0.4	0.1	11.5	17.8	20.5	24.2	14.1	8.0			

* Diversions shown in this table below the McConnell Gaging Station are considered as Delta Uplands Diversions. Tidal effect ceases at about Mile 3.5.
e Formerly listed as Desmond Ranch.
b This acreage also received an undetermined amount of well water.
c Replaces a 6" unit.
d This acreage also received an undetermined amount of well water and controlled drainage water.
e Replaced a 6" unit in 1957.
f Includes 50 acres which also received an undetermined amount of well water.
g Combined acreage for Miles 26.5L and 27.3L. This acreage also received an undetermined amount of well water.
h This figure is the diversion entering the District below State Highway 16 and includes an undetermined amount of spill to the Cosumnes River at Mile 29.9R but does not include the spill above Highway 16.

TABLE 38

DIVERSIONS AND ACREAGES IRRIGATED
MOKELUMNE RIVER*

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Egbert O. Morse	4.7R	1-12"									64	57	5		126	148	
--FRANKLIN-THORNTON HIGHWAY BRIDGE--	4.9																
--COSUMNES RIVER--	5.0R																
--WESTERN PACIFIC RAILROAD BRIDGE--	5.4																
Manuel Lopes	6.6R	1-12"	6						7	8	98	148	82		349	240	
Thornton Farms	6.9R	1-8"									15	14			29	13	
--GALT-THORNTON HIGHWAY BRIDGE--	7.0																
Thornton Farms	7.6R	2-12"								204	835	770	68		1877	a 965	
Thornton Farms	8.1R	1-12"									25	37	8		70	60	
Albin G. Steffan	8.7R	1-12"						22	97	111	127	129	136	75	697	100	
S. and J. Frandy	10.4L	1-12"							5	9	23	19	14	1	71	48	
Albin G. Steffan	10.6R	1-16"						104	518	595	740	686	659	475	3777	479	
A. Taddei	14.2R	1-6"						NO DIVERSION									
C. Blattler	15.5R	1-4"						1	6	9	9	8	7	4	44	12	
A. Taddei	15.6R	1-6"								8	36	39			83	75	
R. J. Linde	16.8R	1-6"								30	41	10			81	112	
--GAGING STATION - MOKELUMNE RIVER AT WOODBRIDGE--	19.2																
--SACRAMENTO ROAD BRIDGE--	19.8																
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9																
Woodbridge Irrigation District	19.9L	Gravity	2670					2940	16800	18200	22700	22200	15700	11300	112500	16147	997
Le Moin Beckman	21.1L	1-5"						NO DIVERSION									
Arthur J. Hoffman	21.85R	1-6"						NO DIVERSION									
Sidney Halsey	22.5R	b 1-2" 1-5"											10		10	16	
Howard Mason	22.7L							NO DIVERSION									
L. R. Sanguinetti	23.4L	1-6"								3	3	2			8	5	
Nora E. Mumbert	23.4R	1-4"								5	29	11			45	15	
M. M. Bender	23.5R	1-4"						DOMESTIC USE ONLY									
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6																
Ben Bechthold	24.0L	1-4"								6	3	7		2	18	12	
--U. S. HIGHWAY 99 BRIDGE--	24.2																
Litts, Mullen and Perovich	24.45L	1-5"								3	19	14			36	7	
Lawrence Ranch	24.5L	1-6" 1-10"							7	65	112	65	8		257	103	
S. and M. Miller	24.8L	1-6"						NO DIVERSION									
Kirschenmann and Mettler (c)	25.2R	1-10"							2	12	7	2			23	67	
W. A. Cohick (d)	25.5L	1-4"	2												e 2		
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6																
Robert N. Lind	26.3L	1-5"								28					28	19	
Richard Wagers	26.35L	1-4"							1	1	2	2	2	1	9	5	
Vasco Mencarini	26.9R	1-5"						NO DIVERSION									
Nakagawa Brothers	27.2R	1-8"						NO DIVERSION									
Irene Green	27.5L	1-5" 1-6"				10	9	4		3	22	48	15		f 111	37	
R. J. Linde	27.6L	1-8"							4	8	7	4			23	20	
A. E. Joens	27.9L	1-10"				122									122	65	
Frankie C. Dick	28.5L	1-4"						NO DIVERSION									
Nakagawa Brothers	28.6R	1-6"							7	18	25	19	12		80	81	
L. J. Peterson	28.9L	1-4"						NO DIVERSION									
W. E. Mehlhaff	29.9R	1-8"									9	11			20	34	
E. Bender	30.0L	1-10"										10	5		15	24	
BRUELLA ROAD BRIDGE--	30.0																
V. C. Hoffman and Sons	30.15R	1-8"							13	36	46	22	10		127	71	
N. H. Davis	30.35R	1-6"							3	10	16	11	9	5	54	50	
J. J. Schmiedt	30.95L	1-7"											35		35	57	
Leon Kirschenmann and Leonard Preszler, et al.	31.0L	1-8"								24	36	27			87	125	
Rosa D. Soucie	31.7L	1-5"						NO DIVERSION									
John Graffigna	31.7R	1-7"									3	12	21		36	32	

TABLE 8

DIVERSIONS FROM AGRICULTURAL LANDS IN THE MOKELUMNE AREA (Continued)

November 1957 through October 1958

Water User	Mile and Bank **	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Lines Ranch	32.0L	1-6"						NO DIVERSION									
North San Joaquin Water Conservation District (g	32.3L	1-12" 1-18"											43		23	n 440	
L. J. Peterson	32.5L	1-5"							7	8	8	13	10	8	54	15	
Red Checker Land Company	32.75	1-5"								16	30	21	5		72	1 108	
C. M. Locke	33.25L	1-10"						1	8	13	43	39	11		115	133	
Acampo Vineyards	33.45R	1-8"						NO DIVERSION									
Acampo Vineyards	33.6R	1-8"								47	42	34	11		134	110	
Niel C. Locke	33.7L	1-12"						33	99	90	192	166	65		611	424	
M. T. McCarty	33.75L	1-10"						NO DIVERSION									
T. and E. Schmierer	33.8R	1-4"							5	4	16	4	10	7	46	15	
Pritam Singh Dhaliwal	34.05	1-4"									8	3			11	14	
Norman Knoll	34.1R	1-4"							4	16	17	19	6		64	j 53	
Norman Knoll	34.3R	1-4"							11	3	10	14	1		39	19	
--COUNTY ROAD BRIDGE--	34.35																
J. B. Aard	34.5R	1-4"										4	3		7	13	
H. C. Russell	34.55L	1-10"	13					13	117	114	118	108	96	45	624	57	
Kenneth H. Beckman	34.6R	1-5"									7	2	1		10	15	
H. C. Russell	34.75L	1-12"						5	62	20	76	41	3		207	158	
L. R. Thomas	35.15	1-6"							14	59	66	37	8	26	210	i 205	
E. M. Locke	35.2L	1-8"					2		24	28	28	32	22	9	144	78	
Manuel Machedo (k)	35.4L	1-8"						14	8	38	39	42	17	9	166	n 120	
Boyce Van Patten	35.5R	1-8"								1	175	169	68		413	160	
Dr. Raymond Mehlhaff (n)	35.7L	1-6"						1	25	16	34	22	19	1	118	66	
I. H. Quessenberry (p)	35.9L	1-7"								18	16	29	9		72	65	
W. S. Montgomery	36.0L	1-6"							39	43	50	45	26	14	217	q 166	
O. Parker	36.45L	1-12"							68	52	89	44	38		291	136	
W. L. Moffat	36.8R	1-8"						PLANT REMOVED									
J. R. Wiederrich	37.15L	1-10"									70				70	40	
W. L. Moffat	37.45R	1-8"									24	16	16		56	133	
W. L. Moffat	37.65L	1-10"									16	15	4		35	93	
Costa Estate	37.7R	1-12"							2	11	23	11			47	30	
C. and F. Sanguinetti	38.0L	2-6"							49	39	44	40			172	68	
C. and F. Sanguinetti	38.1L	1-8"								56	19	51	10		136	62	
Rudolph Sutter	38.3L	1-10"						15	14	32	44	44	30		179	85	
Gertrude W. Chrisman	38.5L	1-12"									59	38	11		108	80	
Clements Estate	39.0L	1-12"	104	10					142	376	359	360	247	234	1832	313	
McGee Ranch	39.25L	1-5"								3	4	6	1		14	15	
--HIGHWAY 88 BRIDGE--	39.3																
--GAGING STATION - MOKELUMNE RIVER NEAR CLEMENTS--	39.35																
MOKELUMNE RIVER																	
Total			2795	10	0	132	11	3153	18170	20460	26780	25850	17580	12210	127100	4273	997
Average cubic feet per second			47	0	0	2	0	53	295	344	436	420	295	199	176		
Monthly use in percent of annua			2.2	0.0	0.0	0.1	0.0	2.5	14.3	16.1	21.1	20.3	13.8	9.6			

* Diversions shown in this table below the Woodbridge Gaging Station are considered as Delta Uplands Diversions. Left bank diversions into Reclamation District 348 (below Mile 9.8) and right bank diversions into McCormack-Williamson Tract (below Mile 3.5) are not included since these areas are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 10.5.

** Mile and bank above New Hope Bridge.

a This acreage also received an undetermined amount of water from Dry Creek.

b The 2" unit is a temporary portable unit used at Mile 22.1R.

c Formerly listed as Kirschermann and Mettler.

d Formerly listed as M. and M. Palmer.

e Acreage served by this water is undetermined.

f This diversion was from Cary Lake which receives water from Mokelumne River overflow.

g New installation in 1958.

h This acreage received its main supply of water from wells and controlled drainage.

i This acreage also received an undetermined amount of well water.

j Includes 25 acres of Graffigna lands.

k Formerly listed as William Weber.

m Includes 52 acres which also received an undetermined amount of well water. Of this acreage, 8 were double cropped.

n Formerly listed as C. L. Allen.

p Formerly listed as John S. Coates.

q Includes 79 acres which also received an undetermined amount of well water.

DIVERSIONS AND ACREAGES IRRIGATED
CALAVERAS RIVER*

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Inman Realty Company	1.8L	1-12"						4	4						8	4	
Inman Realty Company	1.9L	1-6"						PLANT REMOVED									
Clair S. Neitman (a)	2.2L	1-4"									2	1			3	2	
Weiershauser, Ghiorzo and Piccardo	2.5R	1-12"							38	24	19	44	18	20	163	38	
John Santa Maria	2.9L	1-4"							1	2	3	4	4	2	16	12	
Ralph Panello	2.9R	1-12"						PLANT REMOVED									
--PACIFIC AVENUE BRIDGE--	3.7																
Charles M. Weber	4.4R	2-6"								54	11	38	28		131	65	
--STOCKTON DIVERTING CANAL--	5.4L																
Roy Moresco	5.7L	1-14"								44	34	31	25		134	b 40	
Claude Moresco	6.0L	1-5"						NO DIVERSION									
A. Toso	6.2L	1-4"							2	8	7	10			27	b 16	
--U. S. 50 AND 99 HIGHWAY BRIDGE--	6.8																
--CENTRAL CALIFORNIA TRACTION COMPANY RAILROAD BRIDGE--	7.9																
--GAGING STATION - CALAVERAS RIVER NEAR STOCKTON--	7.9																
J. M. Sanguinetti (c)	8.3L	1-6"								10	8	10	5		33	20	
A. V. Lagorio	8.5L	1-6"								10	9	19			38	b 23	
--SOLARI ROAD BRIDGE--	8.8																
E. Leonardini	9.1R	1-4"								17	14	15	14		60	26	
Uyeda Brothers	9.9L	1-6"							12	13	25	19			69	b 64	
Rugani Brothers	9.9R	1-6"								17	21	4	7		49	b 54	
Fred Podesta, Jr. (c)	10.1R	1-8"								14	20	23	16		73	25	
N. and R. Sanguinetti	10.2R	1-8"						9		16	33	19	21		98	25	
--ALPINE ROAD BRIDGE--	10.6																
John B. Garibaldi	11.0L	1-5"							4	19	26	21	8		78	d 45	
John Arata	11.2L	1-5"									2				2	b 11	
Irene Saccone	11.4L	1-4"							4	19	22	18	8		71	40	
Frank Solari	11.4R	1-6"							18	37	59	43	33		190	b 95	
--PEZZI DAM--	11.8																
Julia Pezzi and Sons	11.8R	Gravity								56	78	65	21		220	63	
Julia Pezzi and Sons	11.92L	Gravity								54	54	54	53		215	e 30	
Julia Pezzi and Sons	11.85L	Gravity									1	1			2	e	
A. Navone	11.85R	Gravity								3	3	3			9	b,f 8	
A. Navone	11.95R	Gravity								4	1	2	1		8	f	
Julia Pezzi and Sons	11.95L	Gravity								20	33	26	10		89	g 30	
Julia Pezzi and Sons	12.0L	Gravity								18	22	20	16		76	g	
Julia Pezzi and Sons	12.05L	Gravity								24	34	35	26		119	g	
Julia Pezzi and Sons	12.1L	Gravity									7	3	2		12	h 22	
Julia Pezzi and Sons	12.15L	Gravity								14	20	16	16		66	h	
--MURPHY DAM--	12.3																
S. Sciutti	12.3L	Gravity								6	7	12	6		31	i 21	
L. Preggiaro and Son	12.3R	Gravity							4	9	14	15			42	b 20	
Tony Pastore	12.35L	Gravity									1	1			2	b,j 13	
G. Preggiaro and Son	12.39R	Gravity								1	2				3	k	
G. Preggiaro and Son	12.41R	Gravity								3	2	5			10	b,k 20	
C. Bava and Son	12.42R	Gravity								105	87	150	20		362	m 105	
Vic Preggiaro	12.43R	Gravity								2	4	2			8	n 6	
Vic Preggiaro	12.45R	Gravity								3	5	2			10	n	
Tony Pastore	12.5L	Gravity								2					2	j	
Vic Preggiaro	12.5R	Gravity								16	10	5	4		35	p,q 21	
Tony Pastore	12.6L	Gravity									18	4			22	j	
Vic Preggiaro	12.6R	Gravity								11	10	10			31	i 9	
--STATE HIGHWAY 88 BRIDGE--	12.7																
Tony Pastore	12.8L	Gravity						NO DIVERSION									
Percy Pope	12.9R	Gravity								45	12	20			77	32	
Ed O. Brandstad	13.6R	1-6"							42	36	22	28	4		132	60	
Fred Podesta	13.9L	1-14"								82	57	65	29		233	160	
Dewey Leffler (c)	13.9R	1-8"							2	6	9	10			27	b 21	
N. Tassano	14.0R	1-8"							7	8	17	9	10		51	b 30	

TABLE 383

DIVERSIONS AND ACREAGES IRRIGATED
CALAVERAS RIVER* (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Henry Foppiano	14.1L	1-5"								18	37	15	2		72	r 72	
J. Schiaffini	14.4R	1-4"							4	12	13	15			44	20	
Angelo Grattone	14.5R	1-12"							17	171	112	130	60		491	s 191	
L. and R. DeVincenzi	14.8R	1-6"								57	73	56	29		215	b 125	
Dave V. Sanguinetti	15.1L	1-5"								16	29	40	14		99	s 55	
A. Girardi	15.4R	1-12"								55	48	22	29		154	t 155	
J. H. Tone	15.7L	1-10"								2	57	35	17		111	b 91	
--JACK TONE ROAD BRIDGE--	15.8																
John Plotz	16.0R	1-5"							8	25	8	25	17		83	u 38	
L. A. Cademartori	16.2L	1-5"								35	51	50	18		160	v 55	
Joe Phillips	16.5L	1-6"						NO DIVERSION									
C. Paoletti	16.6L	1-5"								7	8	18			33	w 33	
E. G. Guthrey	16.65R	1-5"							1	2	1	4	3		11	b 19	
Reno Paoletti	16.7L	1-4"								9	7	4	4		24	18	
Lawrence Zolezzi	16.8L	1-6"								24	35	12	10		81	x 58	
Mario and John Boggiano	17.3L	1-10"								8	51	14	14		87	b 75	
George Hansen	17.6R	1-8"							6	22	35	17	4		84	y 48	
--TULLY ROAD BRIDGE--	17.8																
Steve Solari	18.4L	1-8"						9		123	133	103	12		380	b 331	
Rugani Brothers	18.5L	1-8"								5	21	19	5		50	w 67	
Joe Landoni	19.3R	1-5"							2	13	24	16	6		61	z 38	
E. F. Messick	19.8R	1-5"								1	3	1			5	3	
B. E. Stagnaro	19.8L	1-8"							5	30	36	15	23		109	b 18	
A. Delucchi	19.9L	1-4"							5	12	7				24	b 15	
L. Vaccarezza	20.1L	1-5"							2	14	12	17	5		50	aa 34	
E. Brennan	20.3L	1-10"							2	25	13	39			79	ab 55	
C. Pacini	20.4L	1-3"								1	5	5	1		12	s 10	
Edward Gianecchini (ac)	20.6L	1-5"								8	8	7			23	20	
H. S. and A. R. Guernsey	20.9R	1-8"							21	138	39	59	9		266	ad 94	
F. and M. Arboco	21.0L	1-4"							14	67	17	29	6		ae 133	38	
Frank Giannecchini	21.01L	1-5"								4	4	2			10	b,ae 39	
--CLEMENTS ROAD BRIDGE AND DAM--	21.1																
E. M. Marciano and D. Canepa	21.1L	Gravity								41	64	67	13		185	185	
Albert Metzler	21.11L	Gravity								42	42	42	18		144	af 60	
Mailand Ferrill	21.3L	1-4"								3	12	12	1		28	ag 35	
D. Giordano	21.4L	1-4"									1	1			2	b 8	
Domonick Figone	21.5L	1-5"								13		11			24	b 30	
--NORTH SLOUGH--	21.6																
--NORTH SLOUGH CONTROL GATES--	**(0.0)																
F. Harrison	**(1.3L)	1-4"								4	5	5			14	b 14	
L. Robinson	**(1.3R)	1-3"								2	2	3	2		9	10	
S. Filippone	**(1.8L)	1-4"								6	20	17	3		46	aa 42	
Webster Ranch	**(1.81L)	1-12"							83	66	43	233	82		507	ah 205	
Webster Ranch	**(2.4L)	Gravity						PLANT REMOVED									
Webster Ranch	**(2.6R)	1-12"						8	44	40	89	101	53	57	ai 392	aj 125	
M. C. Fish	**(4.1L)	1-9"							32	62	82	78	42		296	b 68	
--TULLY ROAD BRIDGE--	**(4.2)																
J. H. Tone	**(6.0R)	1-10"								60	21	50	28		159	130	
A. Girardi	**(6.1L)	1-16"								13	42	14	14		t 83	b 3	
Lyons Brothers	**(6.6R)	1-10"							33	55	49	83	62	11	ak 293	171	
Lucky Ranch	**(7.3L)	1-6"								39	23	31	6		99	b 100	
A. C. Steltzner	**(7.3R)	am 1-10"							26	202	248	231	58		765		b 135
J. M. Hannah, Jr.	**(7.8L)	en 1-8"									4				4	b 85	
--STATE HIGHWAY 88 BRIDGE--	**(8.1)																
A. C. Steltzner	**(8.1R)	1-6"						NO DIVERSION									
M. F. Leffler	**(10.3L)	1-4"							8	14	26	22	11		81	30	
M. C. Leffler	**(11.5L)	1-10"							32	52	56	58	20	24	242	b 40	
Webster Ranch	21.7R	1-8"							23	33	83	94	40		273	ap 95	
P. J. D. Ranch	21.9R	1-8"							19	27	41	30	2		119	80	

TABLE 383

DIVERSIONS AND ACREAGES IRRIGATED
CALAVERAS RIVER* (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Andrew Cuneo	22.0L	1-12"							40	103	81	97			321	aq 160	
Nick Genetti	22.1L	1-4"								5	11	12	7		35	b 15	
Joe DeMartini	22.2R	1-8"								23	40	39	4		106	b 76	
Carroll and Anderson	22.3L	1-8"							6	45	60	42			153	w 92	
John Boggiano	22.4R	1-10"							6	28	34	43	7		118	i 70	
Caeser DeMartini	22.6L	ar 1-8"									6				6	as	
Caeser DeMartini	22.7R	1-12"							22	37	62	58	17		196	as 142	
Tassano Ranch (at)	22.9L	1-8"							3	16	30	19	24		92	au 57	
Frank DeBenedetti	23.1L	1-7"							9	6	22	4			41	38	
Fred Podesta	24.3L	1-12"							39	50					89	av	
Fred Podesta	24.4L	1-12"								115	181	184	111		591	av,aw 480	
--STATE HIGHWAY 8 BRIDGE--	25.2																
--GAGING STATION - CALAVERAS RIVER AT BELLOTA--	25.25																
--CALAVERAS RIVER-MORMON SLOUGH CONTROL GATES--	25.28																
John Armanino and Sons	25.3R	1-10"						2	10	37	65	76	21	4	215	117	
D. Creary	25.3L	1-2½"									1	1		1	3	2	
--MORMON SLOUGH--	25.3L																
--GAGING STATION - MORMON SLOUGH AT BELLOTA--	8(0.05)																
--FARMINGTON-BELLOTA COUNTY ROAD BRIDGE--	8(0.2)																
J. G. Watkins	8(0.3R)	1-8"								2	7	33	15		57	b 60	
Angelo Solari	8(0.5L)	1-8"								36	31	20	21		108	53	
Fred Casella	8(0.9L)	1-6"							11	24	36	31	8		110	b 80	
George G. Watkins (c)	8(1.2L)	1-6"							6	10	6	22	12		56	37	
John, Louis, and Mario Boggiano	8(1.4R)	1-12"								56	110	116			282	b 305	
Sam Motoike	8(1.5L)	1-8"								17	16	12			45	41	
Raymond Motoike	8(1.7L)	1-6"									20	16			36	35	
E. Marugliano	8(2.0R)	1-7"							4	18	18	15	6		61	42	
C. and P. Sanguinetti	8(2.0L)	1-8"								25	56	47			128	85	
J. B. Ryburn	8(2.5L)	1-10"						5	60	87	103	107	51		413	ax 126	
--PINE ROAD BRIDGE--	8(2.7)																
Julia Pezzi and Sons	8(3.3L)	1-8"									46	24	23		93	33	
Caeser DeMartini	8(3.4R)	1-10"								47	36	16	24		123	b 48	
John Avansino	8(3.5L)	ay 1-4"										13	8		21	b 30	
Louis J. Lagorio	8(3.6R)	1-6"								13	38	42	24		117	ax,ba 165	
Ray Lagorio	8(3.7R)	1-8"								14	22	14	5		55	40	
P. M. Leonardini	8(4.1L)	bb 1-2" 1-7"								22	56	30	7		115	b 100	
Bertha E. Case	8(4.4L)	1-8"						NO DIVERSION									
Nick Bonomo	8(5.5L)	1-10"								37	50	17	4		108	73	
John A. Lagorio	8(5.8L)	1-7"							4	14	34	2	16		70	40	
Motoike Brothers	8(6.1L)	1-6"								20	12	18			50	b 80	
S. Piazza	8(6.2R)	1-6"							1	9	10	5	.2		27	b,bc 35	
John Ratto	8(6.7R)	1-5"						NO DIVERSION									
Dondero Brothers	8(6.9R)	1-8"							4	17	13	16	1		51	bd 35	
A. and R. Lagorio and A. and J. Caffese	8(6.9L)	1-8"							18	12	45	42	3		120	ab,be 134	
Prato Brothers (bf)	8(7.2R)	1-6"							4	10	19	9	1		43	bg 39	
A. and R. Lagorio and A. and J. Caffese (bh)	8(7.2L)	1-8"							16	29	23	23			be 81	b 80	
Mapes Brothers	8(7.5R)	1-6"						3	23	31	48	56	45		206	i 75	
O. Paoletti and Son	8(7.8R)	1-6"							7	19	28	7			61	b 40	
--COPPEROPOLIS ROAD BRIDGE--	8(7.8)																
Smythe, Van Dycke Company	8(8.1L)	1-16"							64	32	24	36	18		174	bi 190	
A. Mignacco	8(10.0L)	1-8"								36	35	53	6		130	bj, bk 65	
E. M. Walker	8(10.0R)	1-5"						NO DIVERSION									
M. Lavaggi	8(10.3L)	1-8"							3	40	24	58	7		132	bm 60	
Ralph Panella (bn)	8(10.8R)	1-7"						NO DIVERSION									
Ralph Panella (bn)	8(11.0L)	1-6"						NO DIVERSION									
Nick Genetti, Jr. (c)	8(11.6R)	1-8"							11		8	12			31	bp 36	
C. B. Ghiorzo	8(11.7R)	1-5"						NO DIVERSION									

TABLE 383

DIVERSIONS AND ACREAGES IRRIGATED
CALAVERAS RIVER* (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Frank L. Raffel	8(11.9L)	1-6"							18	7	26	38	22		111	b 111	
A. Cogna (bq)	8(12.4R)	1-5"								3	8	6			17	b,br 21	
A. Solari and Sons	8(12.5L)	1-4"						6	22	10	18	19	8		83	bs 45	
Amerigo Cortopassi (c)	8(12.6L)	1-4"								6	35	29	2	1	73	b 27	
S. Caffese and Sons (bt)	8(12.8R)	1-7"						11	6	9	11	12	2		51	bd 26	
--STOCKTON DIVERTING CANAL--	8(13.0)																
Homer D. Riddle	88(13.3R)	1-6"							35	41	34	31			141	b 106	
Homer D. Riddle	88(13.7R)	1-6"						NO DIVERSION									
--STATE HIGHWAY 8 BRIDGE--	88(14.9)																
D. Gambini (c)	88(15.4R)	1-6"								8	8	7	5		28	11	
Budiselich and Boggiano Brothers	88(15.7R)	2-12"							15	34	94	98	58		299	bk 69	
--U.S. 50 AND 99 NIGHWAY BRIDGE--	88(16.0)																
--GAGING STATION - STOCKTON DIVERTING CANAL AT STOCKTON--	88(16.2)																
Roy Moresco	88(16.2R)	1-5"						NO DIVERSION									
--U.S. 50 AND 99 HIGHWAY BRIDGE--	88(17.2)																
Albert A. Anderson	25.5L	1-12"								68	47	44			159	115	
L. F. Grimsley	25.9L	1-16"								83	72	84			239	ap, bi 203	
Vignolo and Pallavicino	26.3R	1-10"							44	67	72	73	27		283	b 116	
Field Brothers	26.8L	1-6"							5	24	35	20			84	bv 107	
McGurk Ranch	26.8R	1-8"							30	80	80	95	22		307	b 140	
Saverio Nogare	27.2R	1-12"						NO DIVERSION									
Saverio Nogare	27.5L	1-10"								46	6	25	16		93	b 110	
E. E. Cady	28.3L	1-6"								9	4				13	b 37	
Ray Lagorio	28.5L	1-8"								16	10	14	5		45	40	
R. T. and A. V. Lagorio	28.9L	1-10"								17	16	29			62	50	
Caravano and Maffeo	29.0L	1-6"								28	23	22			73	50	
O. R. Shelley	29.2R	1-6"						19		12	28	26	9		94	67	
O. R. Shelley	29.3L	1-10"						7		33	50	21	18		129	84	
M. N. Yocum	29.4L	1-8"							11	37	49	21			118	105	
Kenneth G. Watkins	30.1R	1-10"							1	91	93	80	1		266	130	
--BELLOTA RIVER ROAD BRIDGE--	30.4																
L. and D. Hoag	30.6R	1-14"							15	43	86	49	8		201	bp 160	
Lynn Barnett	30.7R	1-7"								9		13			22	26	
Lois E. Nunt	31.1R	bv 1-10"								26	23	24			73	37	
Leslie M. Gregory (bx)	31.3R	1-8"					1	1	30	37	37	57	16	18	by 197	bs 90	
Emmett Gregory (bx)	31.6R	1-6"								15		19			34	by, ca 35	

TABLE 3[illegible]

DIVERSIONS AND ACREAGES IRRIGATED
CALAVERAS RIVER* (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversions in Acre-Feet												Total Diversions Nov. Oct. Acre-Feet	Acreage Irrigated	
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		General	Rice
Eva Hunt	32.6R	1-5"							5	8	11	13	3		44	15	
Eva Hunt	32.6L	1-8"															
--GAGING STATION - CALAVERAS RIVER AT JENNY LIND--	36.9																
CALAVERAS RIVER Total			0	0	0	0	1	8	1130	4509	5228	5296	1849	43	18[illegible]	[illegible]	13
Average cubic feet per second			0	0	0	0	1	18	76	86	86	31	2	1			
Monthly use in per cent of annua			0.0	0.0	0.0	0.0	0.0	0.5	6.2	24.7	28.6	29.0	10.2	0.2			

* Diversions shown in this table below the Stockton Gaging Station are considered as Delta Uplands diversions. Right bank diversions below Mile 2.0 and left bank diversions below Mile 2.7 are not included since they serve areas that are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 5.0.

** North Slough - North Slough diverts from Calaveras River at Mile 21.0R. Distance from Calaveras River and bank is shown in parentheses.

δ Mormon Slough - Mormon Slough diverts from Calaveras River at Mile 25.3L and rejoins the river through Stockton Diverting Canal. Distance from Calaveras River and bank is shown in parentheses.

δδ Stockton Diverting Canal diverts from Mormon Slough at Mile 8.3(13.0) and rejoins the Calaveras River at Mile 5.4L. Distance from Calaveras River and bank is shown in parentheses.

a Formerly listed as E. A. and E. R. Anderson.

b This acreage also received an undetermined amount of well water.

c New installation in 1958.

d Includes 8 acres which also received an undetermined amount of well water.

e Combined acreage for Miles 11.8?L and 11.8?L.

f Combined acreage for Miles 11.85R and 12.?6R.

g Combined acreage for Miles 12.?5L, 12.?L, and 12.?5L.

h Combined acreage for Miles 12.1L and 12.?5L.

i Includes 5 acres which also received an undetermined amount of well water.

j Combined acreage for Miles 12.35L, 12.3L, and 12.6L.

k Combined acreage for Miles 12.39R and 12.?8R.

m Includes 19 acres of V. Fraggiaro lands.

n Combined acreage for Miles 12.?3R and 12.?5R.

p Includes 6 acres which also received an undetermined amount of well water.

q Includes 9 acres of D. A. Osburn lands.

r Includes 60 acres which also received an undetermined amount of well water.

s Includes 3 acres which also received an undetermined amount of well water.

t The acreage listed for Mile 15.?R also received an undetermined amount of water from Mile **21.6R(6.1L).

u Includes 21 acres which also received an undetermined amount of well water.

v Includes 3[illegible] acres which also received an undetermined amount of well water.

w Includes 10 acres which also received an undetermined amount of well water.

x Includes 25 acres which also received an undetermined amount of well water.

y Includes 20 acres which also received an undetermined amount of well water.

z Includes 7 acres which also received an undetermined amount of well water.

aa Includes 1[illegible] acres which also received an undetermined amount of well water.

ab Includes 12 acres which also received an undetermined amount of well water.

ac Formerly listed as Edward Gonnecchini.

ad Includes 85 acres which also received an undetermined amount of well water.

ae The acreage listed for Mile 21.01L also received 105 acre-feet of water from Mile 21.0L.

af Includes 17 acres which also received an undetermined amount of well water.

ag Includes 27 acres which also received an undetermined amount of well water.

ah Includes 171 acres which also received an undetermined amount of well water.

ai Includes 20 acre-feet in September and 57 acre-feet in October which was controlled drainage water.

aj Includes 92 acres which also received an undetermined amount of well water.

ak Includes 11 acre-feet in October which was controlled drainage water.

am Replaces an 8" unit.

an A 8" unit was removed in 1958.

ap Includes 45 acres which also received an undetermined amount of well water.

aq Includes 15 acres of Miller lands and 10 acres of Heath lands.

ar Temporary installation in 1958.

as Combined acreage for Miles 22.6L and 22.?L.

at Formerly listed as Louis Passano.

au Includes 47 acres which also received an undetermined amount of well water.

av Combined acreage for Miles 2[illegible].3L and [illegible].

aw This acreage also received an undetermined amount of well water and controlled drainage water.

ax Includes 72 acres which also received an undetermined amount of well water.

ay Previously listed as a 5" unit.

az Includes 153 acres which also received an undetermined amount of well water.

ba Includes 85 acres of P. L. Leonardini lands.

bb A 2" unit was installed in 1958.

bc Includes 15 acres of S. M. Canepa lands.

bd Includes 1 acre which also received an undetermined amount of well water.

be 5 acres listed for Mile 5.9L also received an undetermined amount of water from Mile 7.2L.

bf Formerly listed as the Prado Brothers.

bg Includes 9 acres which also received an undetermined amount of well water.

bh Formerly listed as A. and R. Lagorio.

bi Includes 115 acres which also received an undetermined amount of well water.

bj Includes 8 acres of Antonini lands.

bk Includes 57 acres which also received an undetermined amount of well water.

bm Includes 30 acres which also received an undetermined amount of well water.

bn Formerly listed as Ray Duarte.

bp Includes 35 acres which also received an undetermined amount of well water.

bq Formerly listed as L. Cogna.

br Includes [illegible] acres of D. Logan lands and [illegible] acres of F. Cogna lands.

bs Includes 15 acres which also received an undetermined amount of well water.

bt Formerly listed as Joseph Caffese and Sons.

bu Includes 60 acres of Anderson lands and 45 acres of Ashton lands.

bv Includes 65 acres which also received an undetermined amount of well water.

bw Replaces a 5" unit.

bx Formerly listed as S. M. Gregory.

by The acreage listed for Mile 31.6R also received an undetermined amount of water from Mile 31.3R.

bz Includes 60 acres of Ray Gregory lands.

ca Includes 12 acres of Leslie M. Gregory lands.

TABLE 384

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (Tom Paine Slough, Old River, French Camp Slough)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov-Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
TOM PAINE SLOUGH	*																
Independent Mutual Water Corporation Company	0.7S	2-18"		540	31			9	180	182	427	632	177	26	a 2204	b 1011	
Independent Mutual Water Corporation Company	1.5S	1-18"		213	64				16	17	38	104	19		471	a 192	
--HOLLY SUGAR CORPORATION DREDGER CUT--	8(2.1S)																
George J. Lake	8(0.5W)	1-10"			116										116	168	
Holly Sugar Corporation	8(1.2W)	1-14"						6	183	209	280	31			709	c 719	
Holly Sugar Corporation	8(1.35W)	1-12"	418	431											d 849		
--GAGING STATION - TOM PAINE SLOUGH ABOVE MOUTH	2.2S																
Pescadero Reclamation District 2058 (1)	2.9S	1-12"		40				49	133	126	170	146	129	38	831	215	
Frank Bastian	4.3S	1-5"							3	2	5	8			18	12	
Pescadero Reclamation District 2058 (3)	6.3S	1-12" 1-20" 1-24"						497	2220	1950	2600	2840	1790	549	12450	e 2398	
Pescadero Reclamation District 2058 (5)	8.3S	1-12"						75	161	125	160	159	119	13	812	274	
Pescadero Reclamation District 2058 (5A) (f)	9.0S	1-12"						PLANT REMOVED									
Pescadero Reclamation District 2058 (6) (f)	9.0N	1-18"						32	72	135	94	215	86	57	691	212	
TOM PAINE SLOUGH Total Average cubic feet per second			418 7	1224 20	211 3	0 0	0 0	668 11	2968 48	2746 46	3774 61	4135 67	2320 39	683 11	19150 26	5201	
OLD RIVER	**																
--CONTRA COSTA CANAL--	30.5L																
John A. Bettencourt	g 30.5L	1-18"							46	213	232	229	166	112	998	h 259	
Augustus Sarija	i 36.5L	2-6"						0	35	51	48	56	48	21	265	74	
East Contra Costa Irrigation District	i 36.5L	1-18" 3-24" 2-30"	8					256	2460	5920	7470	5860	2900	575	25450	j 15829	
--STATE HIGHWAY 4 BRIDGE--	38.8																
Byron-Bethany Irrigation District	k 40.9L	1-20" 1-24" m 2-30"							4160	5340	5770	5720	3770	1740	26500	n 8589	
--CLIFTON COURT FERRY--	43.8																
--DELTA-MENDOTA CANAL--	44.6L																
M. R. Furtado	p 44.6L	1-14"							132	218	314	226	214	79	1183	q 334	
J. R. Colburn and Fred H. Draper	44.7L	1-8"	8							9	1	1			19	15	
William M. Ralph	45.3L	1-12"	1					30	204	156	225	182	73	71	942	248	
C. O. Bankhead and Son	r 47.2L	1-16"							141	167	199	187	169	121	984	s 406	
Lucio J. Costa	r 47.2L	1-14"						NO DIVERSION									
Johnnie L. Costa	p 47.65L	1-8"	3					24	47	53	50	53	51	26	307	80	
West Side Irrigation District	p 47.65L	1-10" 2-15" 1-18"						1380	6260	5740	6250	6400	4130	1660	31820	t 9021	
Vance Brown	48.4L	1-12"						5	93	85	86	87	93	3	452	155	
Walles Brothers	49.5L	1-4"								3	1	2	1		7	6	
Maglee Burke Irrigation District	50.4L	1-16" 1-18"						106	1320	1370	1810	1540	1190	596	7932	u 2211	
Fremont Irrigation Association	50.4L	1-16"		242				3	139	141	195	182	151	30	1083	556	
Tom M. Freitas	51.0L	1-8"							8		9	14			31	36	
E. Platti, J. Goulart, and T. Silveira (w	52.4L	1-10"							15	11	46	42	9		123	113	
A. L. [illegible]	53.0L	1-8"						NO DIVERSION									
--GAGING STATION - OLD RIVER NEAR TRACY ROAD BRIDGE--	53.0L																
--TOM PAINE SLOUGH--	54.3L																
OLD RIVER Total Average cubic feet per second			2	242 4	3 0	0 0	0 0	1810 30	15060 245	19480 327	22720 369	20810 338	12960 218	5034 82	98140 136		

TABLE 38d

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (Tom Paine Slough, Old River, French Camp Slough) (continued)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		General	Rice
FRENCH CAMP SLOUGH	***																
Carolyn Aeston	1.0S	1-12"							2	9	22	25			58	59	
Carolyn Aeston	1.1L	1-7"								1	1	8			10	5	
Carolyn Aeston	1.5L	1-5"									3	1			4	5	
--FRENCH CAMP TO MOKE BRIDGE--	2.0																
Frank Aest	2.2L	1-10"	3					26	182	182	195	192	95	105	980	220	
Manuel E. Granados	2.3R	1-3"							1	4	1	1			7	5	
Frank Aest	3.0L	1-10"							52	69	60	63	26	36	306	66	
Tom Gomes	3.3L	1-5"						NO DIVERSION									
Tom Gomes	3.4L	1-4"						NO DIVERSION									
--U. S. 50 HIGHWAY BRIDGE--	3.4S																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.5																
Walton G. Boege	3.9L	1-8"								1	1	1			3	1	
Robert L. Borderave	3.8R	1-12"							68	42	24	42	54		230	50	
--WESTERN PACIFIC RAILROAD BRIDGE--	4.1																
Clark Anderson	4.2R	1-14"						NO DIVERSION									
--GAGING STATION - FRENCH CAMP SLOUGH NEAR FRENCH CAMP--	5.4																
FRENCH CAMP SLOUGH Total			3	0	0	0	0	26	305	308	307	333	175	141	1598	421	0
Average cubic feet per second			0	0	0	0	0	0	5	5	5	5	3	2	2		

* Mileage along Tom Paine Slough from its mouth at Mile 54.3L on the Old River.
** Mileage along Old River from mouth of San Joaquin River 4.5 miles below Antioch.
*** Mile and bank above mouth.
a 93 acres listed for Mile 1.5S also received an undetermined amount of water from Mile 0.7S.
b Of this acreage, 70 were double cropped.
c This acreage also received an undetermined amount of Holly Sugar Corporation factory waste water.
d Includes an undetermined amount of water used for industrial purposes. Acreage served by this water is undetermined.
e Of this acreage, 165 were double cropped.
f Land formerly served with water from Pescadero Reclamation District 2058(5A) at Mile 9.0S is now served by Pescadero Reclamation District 2058(6) at Mile 9.0N.
g Rock Slough joins Old River at Mile 30.5L. Pumping plant is located on channel which joins Rock Slough.
h Includes 27 acres of C. F. Mercer Lands.
i Indian Slough joins Old River at Mile 30.5L. Pumping plant is located on intake canal which joins Indian Slough.
j Includes double cropped acreage. This acreage also received 3220 acre-feet of well water.
k Italian Slough joins Old River at Mile 48.9L. Pumping plant is located on intake canal which joins Italian Slough.
m One 30" unit was installed in 1958.
n Includes 160 acres which also received an undetermined amount of controlled drainage water. Of this acreage, 292 were double cropped.
p Plant is located on intake canal which joins the Old River at this mile.
q Of this acreage, 45 were double cropped.
r Plant is located on Mountain House Creek which joins the Old River at this mile.
s This acreage also received an undetermined amount of water from Mountain House Creek.
t This acreage also received 244.0 acre-feet of well water. Includes 125 acres of outside contract lands. Of this acreage, 225 were double cropped. This acreage also received 618 acre-feet of Delta-Mendota Canal water as follows: July 232, and August 386.
u Includes 20 acres irrigated outside of district. Of this acreage, 20 were double cropped.
v Includes an undetermined amount of water returned to river by spill.
w Formerly listed as Excelsior Ranch #2.

TABLE 38e

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (San Joaquin River - Stockton to Vernalis)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		General	Rice
--STATE HIGHWAY 4 BRIDGE--	45.3																
--FRENCH CAMP SLOUGH--	46.1R																
Carolyn Aeston	46.1R	1-4"						NO DIVERSION									
Carolyn Aeston	46.2R	1-6"											1		1	1	
Carolyn Aeston	46.3R	1-12"							42	61	98	91	30		a 322	165	
Mrs. John Lillie	46.6SR	1-10"						NO DIVERSION									
Frank Aest	46.8SR	1-10"							72	35	68	86	50	11	322	b 150	
F. Asano	47.2R	1-6"	1				1	4	8	9	11	36	13	6	89	37	
Wolfinger Brothers	47.3R	1-10"								14	29	27			70	50	
I. C. Long	47.5SR	1-10"							81	103	101	71	66		422	165	
Waldo C. Haack	48.0R	1-14"		4					40	165	189	127	100		625	c 495	
Chow L. Young	48.3R	1-6"							3	7	8	8	7	5	38	25	
Joe Calcagno	48.5R	d 1-8"								26	22	3	6	13	70	90	
C. J. Pregno	48.5SR	1-6"								8	12	24	2		46	30	
John Calcagno	48.6SR	1-12"							24	132	134	102	67	91	550	e 160	
Alfred Rodgers	49.0R	1-12"	33						5	45	79	69	46	53	320	70	
Ray Muller and F. Terry	49.3R	1-14"						1	5	85	97	122	32		342	f 370	

TABLE 385

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (San Joaquin River - Stockton to Vernalis) (continued)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Ray Muller and F. Terry	49.5R	1-12"								64	67	61	4		196	f	
A. A. Rodgers	50.1R	1-10"	8					5	9	30	40	29	17	8	146	80	
--BRANDT BRIDGE--	50.2																
A. Hirata	50.4R	1-10"							4	17	40	28	13	3	105	g 81	
K. R. and P. Watanabe	50.6R	1-6"								11	20	17	1		49	50	
D. Tosceno	50.8R	1-6"						2	4	5	6	3	3	1	24	8	
Pastorino Brothers	50.9R	1-12"							12	114	114	158	121	75	594	140	
Pelipe Esteban	51.2R	1-12"							1	20	31	41			93	80	
W. B. Herbert and Y. B. Lawrence	51.6R	1-10"								49	83	37	8	8	185	90	
A. McNamara, K. McNamara and Betty French (h)	52.4R	1-5"						NO DIVERSION									
E. P. Valla	52.65R	1-10"									45	55	2		102	80	
J. Widmer	53.2R	1-16"						25	147	157	237	313	132	42	1053	311	
J. Widmer	53.45R	1-12"							9	17	19	21	14		80	1 40	
Julio Lorenzo	53.5R	1-8"	2	1					6	4	42	22	13	1	91	48	
Mack Sung	53.55R	1-2"										1	1		2	2	
John Caparra	53.6R	1-4"	4					1	4	3	5	6	2	1	26	7	
J. Romo and B. Andaya	53.7R	1-14"	13	1				8	42	33	128	161	48	42	476	j 281	
I. N. Robinson, Jr.	53.8R	1-14"							101	245	238	347	222	40	1193	k 388	
H. N. Hansen, H. C. Hansen and William Giger	54.9R	1-10"	8					3	101	113	129	138	123	102	717	157	
--MIDDLE RIVER--	56.2L																
Oakwood Stock Farm	57.0R	1-14"								112	162	134	82		490	237	
James Tobin	57.15R	1-7"						NO DIVERSION									
A. J. Thomsen	57.39R	1-5"							1	7	15	27	16		66	m 26	
Andrew B. Calori	57.45R	1-6"						NO DIVERSION									
C. Gardella and Company	57.5R	1-4"						1	1	1	7	3	1	1	15	14	
A. Juierolo	58.6R	1-4"						NO DIVERSION									
Tony Mauro (n)	58.7R	1-6"	2					2	4	1					9	7	
--SOUTHERN PACIFIC RAILROAD BRIDGE--	58.8																
--GAGING STATION - SAN JOAQUIN RIVER AT MOSSDALE BRIDGE--	58.9																
--U. S. 50 HIGHWAY BRIDGE--	58.9																
Mertle Abersold	59.25R	1-6"	3							10	15	25	11	3	67	19	
M. H. Madruga	59.3R	1-15"								80	211	255	191	149	886	232	
Eugene J. Roasi, et al.	59.5L	1-14"							17	19	58	90	73	1	258	165	
--WESTERN PACIFIC RAILROAD BRIDGE--	59.5																
M. N. Madruga	p 60.1R	1-6"									6	9		4	19	30	
C. M. Baird	p 60.1R	1-16"							52	50	143	133	252	100	a 730	196	
James and Leslie Little	60.4L	1-3"						NO DIVERSION									
A. P. Windeler	60.5L	1-16"								7	44	88	143		282	160	
E. Picchi and Son	60.8R	1-8"										41			41	65	
E. Picchi and Son	61.4R	1-12"										155			155	120	
Jack Williams	62.0R	1-8"						NO DIVERSION									
Barnice Von Sosten	62.0L	1-12"			1			5	71	89	132	137	156	36	627	q 265	
--PARADISE DAM (Head of Paradise Cut)	62.2L																
Paradise Mutual Water Company	r 62.2L	1-14" 1-20"	15	389	211			49	171	348	318	275	143	40	1959	824	
Dethlefsen Brothers	63.0L	2-20"	520	669					253	33	143	735	115	9	a 2477	958	
State of California	63.3L	1-14"	10					31	234	201	288	246	246	79	a 1335	435	
H. H. Grimes	63.6R	1-12"									11	175	58		244	218	
Dethlefsen Brothers	64.6L	1-10"						NO DIVERSION									
Alexander Hildebrand (s)	t 66.0R	1-6"						NO DIVERSION									
Johnnie J. Silva	66.7L	1-8"						16	8	57	78	26	15		200	151	
George A. Plummer	67.0R	1-6"										6	6		12	11	
Banta Carbona Irrigation District	u 67.5L	2-10" 2-16" 2-20" 3-24" 1-36"						1110	9090	7720	9130	8370	4980	2090	42490	v 16925	
William Piccinini	68.2R	1-10"										44			44	81	
Glen H. West	70.0L	1-10"									68	47	6	27	148	160	
San Joaquin River Water Users Company	71.0R	2-16"							297	225	732	887	414	190	2745	w 1156	

TABLE 385

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (San Joaquin River - Stockton to Vernalis) (continued)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov-Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
E. Filippini	71.0R	1-6"									4	2	2		8	9	
Tony M. Cardosa	71.75R	1-4"										3	2		5	12	
Tony M. Cardosa	72.1R	1-10"										13	3		16	50	
M. J. Mortensen and Barker	73.2R	1-8" 1-12"	NO DIVERSION														
San Joaquin River Club	74.7L	1-6"	57	57	37	28	31					21	91	53	375	x 50	
E. A. Tassi	75.6R	1-16"	40								87	116	155	52	450	115	
SAN JOAQUIN RIVER (Stockton to Vernalis) Total Average cubic feet per second			716 12	1121 18	249 4	28 1	32 1	1263 21	10920 178	10530 177	13740 223	14250 232	8305 140	3346 54	64500 89	26350	

* Mileage along San Joaquin River from its mouth 4.5 miles below Antioch.
a Includes an undetermined amount of water returned to river by spill.
b Of this acreage, 6 were double cropped.
c This acreage also received an undetermined amount of controlled drainage water.
d Replaced the 6" unit in 1958.
e Includes 30 acres which also received an undetermined amount of well water.
f Combined acreages for Miles 49.3R and 49.5R.
g Includes 52 acres of Vierra lands.
h Formerly listed as C. Santini.
i Includes 29 acres of Nishimura lands.
j Of this acreage, 15 were double cropped.
k Of this acreage, 245 were double cropped.
m Includes 13 acres of Dewar lands.
n Formerly listed as R. Mauro.
p Plant is located on Walthall Slough which joins the San Joaquin River at this mile.
q Of this acreage, 25 were double cropped.
r Plant is located on Paradise Cut which joins the San Joaquin River at this mile.
s Formerly listed as Alexander Hilderbrand.
t Plant is located on old channel which joins the San Joaquin River at this mile.
u Plant is located on intake canal which joins the San Joaquin River at this mile.
v Includes 811 acres of Banta Irrigated Farms, 599 acres of Kasson District, and 1127 acres of outfall contracts. Of this acreage, 863 were double cropped. Portions of this acreage also received an undetermined amount of well water. This acreage also received additional acre-feet diverted from Delta-Mendota Canal as follows: May 816, July 420, and August 459.
w Includes 195 acres which also received an undetermined amount of Walthall Slough water.
x Recreational lakes. This acreage also received an undetermined amount of controlled drainage water.

TABLE 386

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (Calaveras River, Mokelumne River, Cosumnes River, Sacramento River below Sacramento, Yolo Bypass (West Cut), and Putah Creek)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov-Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb.	Mar.	Apr	May	June	July	Aug	Sept	Oct		General	Rice
CALAVERAS RIVER (a) Total Average cubic feet per second			0 0	0 0	0 0	0 0	0 0	4 0	45 1	132 2	76 1	128 2	75 1	22 0	482 1	177	
MOKELUMNE RIVER (b) Total Average cubic feet per second			6 0	0 0	0 0	0 0	0 0	127 2	633 10	974 16	2013 33	1917 31	979 16	555 9	7204 10	2252	c
COSUMNES RIVER (c) Total Average cubic feet per second			124 2	134 2	27 0	0 0	0 0	0 0	411 7	499 8	500 8	670 11	106 2	18 0	2489 3	1333	84
SACRAMENTO RIVER BELOW SACRAMENTO	*																
--RIO VISTA BRIDGE--	12.9																
John Lira	13.0R	1-6"							7	10	20	11	16	9	73	25	
C. A. Beach	45.2L	1-12"								22	58	38			118	135	
W. and B. Correa	45.5L	1-10"									35	22			57	20	
Mack and Forsythe	45.75L	1-6"									31	19	9		59	35	
A. J. Sweeney	45.95L	1-10"							19	36	84	115			254	145	
--FREEPORT BRIDGE--	46.0																
Freeport Development Company	46.25L	1-8"							100	130	194	163	36		623	290	
L. J. Dee	46.8L	1-10"								18	71	28			117	88	
L. C. Klotz	47.3L	1-8"							23	27	34	25	26	18	153	37	
E. A. Franklin	47.5L	1-8"							11	7	18		7		43	50	
George Coleman	47.7L	1-6"								33	24	24			81	59	
M. A. Richardson	53.7L	1-6"								11	11	2			24	24	
--M STREET BRIDGE--	59.0																
SACRAMENTO RIVER BELOW SACRAMENTO Total Average cubic feet per second			0 0	0 0	0 0	0 0	0 0	0 0	160 3	294 5	580 9	447 7	94 2	27 0	1602 2	908	
YOLO BYPASS (West Cut)	**																
H. L. Sorensen	4.2R(1.9)	1-14"	18	51					73	69	103	104	102	109	629	160	•
Mounds Farm	4.2R(2.0)	2-12"	142	98					112	90	84	136	277	327	1266	d 500	
H. L. Sorensen	4.2R(2.0)	1-16"	35	16									96	84	231	e 100	
Yolo Flyway Farms (f)	5.7R(0.1)	Gravity	8	8											16	e 15	

TABLE 386

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (Calaveras River, Mokelumne River, Cosumnes River, Sacramento River below Sacramento, Yolo Bypass (West Cut), and Putah Creek) (continued)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Yolo Flyway Farms	5.7R(0.9)	1-18"	567	384	171								162	509	1793	e 300	
R. S. M. Ranch	5.7R(1.5)	1-16"	21						312	382	382	351	348	342	2138	g 400	
Frithiof Anderson	6.75R(0.6)	1-16"						NO DIVERSION									
James Iriart	7.85R	1-16"												114	114	e 80	
Swanston Land Company	7.87R(1.7)	1-16"								148	139	34			321	200	
Vaughn and Burlingham	7.87R(2.1)	1-14"							55	99	23	22			199	240	
Vaughn and Burlingham	7.87R(2.5)	1-14"	19	14					93	194	87	6	14		427	341	
Vaughn and Burlingham	7.87R(2.7)	1-14" 1-16"	50	30					200	316	236	265	234	202	1533	h 590	
Swanston Land Company	i 9.1R	1-16"	23								175	161		5	364	j 340	
J. H. Glide Estate	9.3R	1-14"						PLANT REMOVED									
T. S. Glide	10.9R(0.4)	1-20"	260	52					114	48			534	351	1359	k,m 452	
T. S. Glide	11.0R	n 1-20"									41				41	100	
T. S. Glide	12.4R	1-14"									153				153	250	
T. S. Glide	13.15q	p 1-16"									202				202	250	
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	13.2																
T. S. Glide	13.5R	1-6"						NO DIVERSION									
T. S. Glide	13.9R	1-16"									335				335	r	
T. S. Glide	14.8R	s 1-16"									279				279	r 800	
T. S. Glide	17.1R(1.8)	3-20"	92	134	71				303	1125	3913	3067	938	154	t 9797	u 5490	
T. S. Glide	18.6R	1-36"						NO DIVERSION									
--U. S. 40 AND 99W CAUSEWAY--	20.1																
YOLO BYPASS (West Cut) Total Average cubic feet per second			1235 21	727 13	242 4	0 0	0 0	0 0	1262 21	2471 42	6152 100	4146 67	2705 45	2197 36	21200 29	10610	
PUTAH CREEK (v) Total Average cubic feet per second			0 0	0 0	0 0	0 0	0 0	0 0	0 0	55 1	92 1	71 1	0 0	0 0	218 0	213	

e Mileage above Chain Island.
ee Mileage above Prospect Island.
a Below gaging station - Calaveras River near Stockton, Mile 7.9. Individual diversions are shown in Table No. 384.
b Below gaging station - Mokelumne River at Woodbridge, Mile 19.2. Individual diversions are shown in Table No. 384.
c Below gaging station - Cosumnes River at McConnell, Mile 10.7. Individual diversions are shown in Table No. 380.
d Includes 300 acres of duck club lands.
e All duck club lands.
f Temporary point of diversion in 1957.
g Of this acreage, 40 were reused for duck clubs.
h Includes 100 acres which also received an undetermined amount of controlled drainage water.
i Plant moved from Mile 8.7R in 1958.
j Includes 90 acres of duck club lands.
k This acreage also received an undetermined amount of controlled drainage water.
m Includes 240 acres of duck club lands.
n Replaces a 10" unit.
p Replaces a 20" unit.
q New Installation in 1958.
r Combined acreage for Miles 13.9R and 14.8R.
s One 16" unit was removed in 1958.
t The acreage listed for Mile 0.8L, Putah Creek, also received an undetermined amount of water from Mile 17.1R(1.8).
u This acreage also received an undetermined amount of water from Putah Creek below Mile 0.00.
v Below gaging station - South Fork Putah Creek near Davis, Mile 7.2. Individual diversions are shown in Table No. 379.

TABLE 387

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (Miscellaneous Delta Uplands)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Fivemile Slough																	
Sam Hernandes	2/6 - 17D	1-3"								4	11	4	6		25	8	
Ruodi Segarina (a)	2/6 - 17C	1-12"						NO DIVERSION									
Lawrence Jimenez	2/6 - 8N	1-8"							5	4	10	5	9		33	14	
Beaver Catchment Slough																	
[illegible] Moffat Company and [illegible]gon Land Company	2/6 - 6P	1-18"						35	430	199	395	325	296		1680	430	
[illegible] Moffat Company and [illegible]ldo Land Company	2/6 - 6J	1-14						53	454	228	567	451	464	25	2234	375	
Telephone Cut																	
E. V. Lang	3/5 - 35A	Gravity	71	24	12		52	66	73	95	107	90	65	122	b 778	237	
E. V. Lang	3/5 - 36I	Gravity	32	11	5									8	56	25	
E. V. Lang	3/5 - 30	Gravity	14	4											18		
E. V. Lang	3/5 - 26R	Gravity	21	7	4									42	74	70	
E. V. Lang ( )	3/5 - 25R	1-16"							25	63	110	129	42		409	133	

TABLE 38?

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (Miscellaneous Delta Uplands) (continued

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
White Slough																	
Bert Van Ruiten	3/5 - 25C	1-16"							95	266	281	233	117	59	1051	250	
Bert Van Ruiten	3/5 - 26C	1-12"								19	69	40			128	145	
Hog Slough																	
Robinson Farms	4/5 - 28R	Gravity						NO DIVERSION									
Robinson Farms	4/5 - 28S	Gravity	73	111	61			3	21	40	45	56	30	43	483	d 182	
Thompson-Folger Company	4/5 - 28C	1-12" Gravity	110	43	13			7	310	356	434	413	353	328	2367	546	
Beaver Slough																	
C. B. Orvis	4/5 - 15C	1-15"					1	38	170	181	229	252	171	72	1114	190	
C. B. Orvis	4/5 - 15D	1-12"						67	286	267	380	318	316	124	1758	e 470	
Canal Ranch	4/5 - 16S	1-8" f Gravity						78	311	241	220	211	177	144	1382	194	
Canal Ranch	4/5 - 16D	1-8"							103	99	113	118	72	72	577	80	
Burton Slough																	
Egbert O. Morse	5/5 - 28O	1-10"								1	6	6	6		19	20	
Barnes Ranch	5/5 - 29O	1-4"						NO DIVERSION									
Egbert O. Morse	5/5 - 20K	1-8"									29	37			66	87	
Egbert O. Morse	5/5 - 16N	1-16"							34	58	180	202	30		504	285	
Egbert O. Morse	5/5 - 15M	1-10" 1-12" 1-14"						149	649	394	408	416	182		2198		220
East Dredger Cut - Snodgrass Slough																	
H. E. Graf (g)	6/5 - 31R	2-12"							3	110	158	192	109		572	200	
Alfred Kuhn	6/4 - 36Q	1-16"	10						96	224	264	177			771	360	
Duck Slough Extension																	
Isabella Wineman	6/2 - 26B	1-14"							185	192	184	178	134		873	222	
Isabella Wineman	6/2 - 26D	1-12"							160	146	161	160	145		772	149	
Isabella Wineman	6/2 - 26J	1-14"	16	70					331	272	406	365	332	162	1954	338	
Hass Slough																	
G. Peterson (h)	6/2 - 33H	1-12"	21											87	108	i 40	
Reclamation District 2068	6/2 - 34G	j 1-24" 2-30" 1-36"	857	393				738	9900	9140	11300	10100	7550	5060	55040	k 12935	
Francis F. Gunning	6/2 - 34P	1-16"	79	141				80	271	295	340	333	259	285	2083	n 340	
Cache Slough																	
Carpenter Ranch (c)	4/3 - 20B	1-12"										85	11		96	n 68	
Harold O. Miller (p)	5/2 - 4B	1-14"	39	5					111	106	206	169	151	74	861	260	
Jack Parker	5/2 - 4K	1-12"		27					36	71	56	57	83	71	401	120	
Ervin E. Vassar	5/2 - 4K	1-20"	44	18					330	437	308	377	320	198	2032	q 356	
Calhoun Cut																	
Hamilton and Nyman	5/1 - 25Q	1-10"							12	5	12	11	7	10	57	23	
Matilda Hall	5/2 - 19J	1-10"	34						51	47	63	30	57	45	327	110	
Unsegregated																	
Porter Estate Company	2/3 - 19E	1-16"	57					19		27	45	28	23	10	r 209	18	
Red House Ranching Company (s)	3/5 - 23L	1-10"							30	81	84	73	49	21	338	120	
R. C. Coldani (s)	3/5 - 14L	1-14"	44	33	31			26	98	102	137	140	120	181	912	t 132	
Cotta and Sousa	4/5 - 34J	1-16"	24					35	53	50	90				252	u 440	
A. C. Hamel	v 8/3 - 19Q	1-4"															
A. C. Hamel	w 8/3 - 29F	1-4"															
A. C. Hamel	x 8/3 - 30R	1-10"															
H. L. Sorensen	6/3 - 18P	1-14"													y		
H. L. Sorensen	6/3 - 20J	z 1-16"	58	49	18									279	aa 404	i 80	
H. L. Sorensen	6/3 - 19E	1-14"	47	5					106	317	320	24	32	377	1228	ab 850	
H. L. Sorensen	6/3 - 30D	1-14"	54	62					107	320	169	113	258	375	1459	ac	
H. L. Sorensen	6/3 - 30L	1-16"	29	17					70	211				43	370	ad 315	
Reclamation District 2068	6/2 - 25P	1-12"													y		

TABLE 387

DIVERSIONS AND ACREAGES IRRIGATED
DELTA UPLANDS (Miscellaneous Delta Uplands) (continued)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov-Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Sub-Irrigated Lands (ae							83	106	117	152	171	144	106	91	970	379	
Stone Lake Diverters (af	6/4 - 36N	Gravity													ag		
MISCELLANEOUS DELTA UPLANDS																	
Total			1734	1020	144	0	136	1500	15030	14810	18070	16060	12120	8408	89040	21600	220
Average cubic feet per second			29	17	2	0	2	25	244	249	294	261	204	137	123		
DELTA UPLANDS																	
Total			4256	4528	873	28	168	5398	46790	52300	68020	62970	39840	20430	305600	1070	304
Average cubic feet per second			72	74	14	1	3	91	761	879	1106	1024	670	332	422		
Monthly use in per cent of annual			1.4	1.5	0.3	0.0	0.1	1.8	15.3	17.1	22.3	20.6	13.0	6.7			

* Figures represent North Townships, East Ranges, and Sections. Letters represent the ¼, ¼ portion of the section.
a Formerly listed as Guodi Segarini.
b Includes 549 acre-feet of water received by sub-irrigation.
c New installation in 1958.
d This acreage also received an undetermined amount of water from the Woodbridge Irrigation District and was reused for duck club lands.
e Includes 60 acres which also received an undetermined amount of controlled drainage water.
f Gravity diversion used but was not computed prior to 1958.
g Formerly listed as Edwards Brothers.
h Formerly listed as Raahauge and Joseph.
i All duck club lands.
j The 24" unit was installed in 1958.
k Includes 1459 acres outside of District and 404 acres of duck clubs.
m Of this acreage, 10 were reused for duck clubs.
n This acreage also received an undetermined amount of controlled drainage water.
p Formerly listed as Ervin E. Vassar.
q Of this acreage, 38 were reused for duck clubs.
r Includes an undetermined amount of Marsh Creek water.
s Formerly listed as George Emde.
t Includes 20 acres of duck ponds.
u This acreage also received an undetermined amount of water from the Woodbridge Irrigation District.
v This point of diversion is now shown in the Putah Creek Table at Mile 3.0L.
w This point of diversion is now shown in the Putah Creek Table at Mile 2.1R.
x This point of diversion is now shown in the Putah Creek Table at Mile 2.7R.
y Diversion for 1958 was all controlled drainage water.
z Replaces a 14" unit.
aa 350 acres listed for 6/3-19E also received an undetermined amount of water from 6/3-20J.
ab Includes 350 acres of duck club lands. 350 acres listed for 6/3-19E also received an undetermined amount of water from 6/3-20J. Combined acreage for 6/3-19E and 6/3300.
ac Combined acreage for 6/3-19E and 6/3-30D.
ad Includes 40 acres of duck club lands.
ae Estimated consumptive use on lands in the Delta Uplands is considered as sub-irrigated from tidal channels during 1958 without a specific point of diversion.
af Point of diversion is considered as the control gates at Lambert Road.
ag Unmeasured in 1958. This point of diversion will not be reported in subsequent years.

TABLE 388

DIVERSIONS AND ACREAGES IRRIGATED
SAN JOAQUIN RIVER (Vernalis to Fremont Ford Bridge)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov-Oct Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--DURHAM FERRY BRIDGE--	76.7																
--GAGING STATION - SAN JOAQUIN RIVER NEAR VERNALIS--	76.7																
A. J. Chisholm	78.9R	1-10"									9	99			108	50	
Cruze, Gonsalves and Moresco	79.4R	1-20"										20	21		41	60	
--STANISLAUS RIVER--	79.7R																
W. C. Blewett Estate	80.7L	1-12"										263	152		415	200	
W. C. Blewett Estate	81.8L	2-12" 1-14"						34	773	516	500	737	493	268	3321	852	
--GAGING STATION - SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE--	81.85																
--MAZE ROAD BRIDGE--	81.85																
Blewett Mutual Water Company	81.95L	1-10" 2-12"						12	827	851	893	760	633	104	4060	a 1066	
El Solyo Water Company	82.0L	1-10" 3-18"	33	41		5	3	118	1810	2150	2740	2880	1460	348	b 11590	c 3561	
--GAGING STATION - SAN JOAQUIN RIVER AT NEICH MEICHY AQUEDUCT CROSSING--	82.65																
El Solyo Ranch	82.4L	1-16"						NO DIVERSION									
El Solyo Ranch	83.5L	1-12"									79	138	100	4	321	122	
E. Solyo Ranch	83.7L	1-12"						NO DIVERSION									
Faith Ranch	84.4R	1-2 "									202	161	35		399	301	
--TUOLUMNE RIVER--	91.0R																
--GAGING STATION - SAN JOAQUIN RIVER AT WEST STANISLAUS IRRIGATION DISTRICT INTAKE CANAL--	91.8L																
--WEST STANISLAUS IRRIGATION DISTRICT INTAKE CANAL--	91.8L																
West Stanislaus Irrigation District	91.8L	1-12" 1-24" 6-26"	355	83				1720	12200	11800	11100	5400	5240	1880	49780	d 22456	
Fred Lara 1	**(0.6S)	1-14"						1	15	25	17	77	51		186	145	
Frank Sermento 1	**(1.7N)	2-16"						74	134	221	373	320	338		1460	e 940	
Frank Sermento 2	**(1.1N)	1-14" 1-16"						16	338	422	381	756	259		2190	e	
Fred Lara 2	**(2.2	1-16"		19					6	26	*	10	11	*	88	30	

TABLE 38B

DIVERSIONS AND ACREAGES IRRIGATED
SAN JOAQUIN RIVER (Vernalis to Fremont Ford Bridge) (continued)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Frank Sarmento	92.3N	2-10"							154	182	161	147			644	356	
T. W. Steenstrup Estate	93.1R	2-12"										38	62		1[illegible]	40	
Walter A. Crawford	93.2L	1-5"						NO DIVERSION									
Walter A. Crawford	93.4L	f 1-5"						NO DIVERSION									
George Covert	894.1L	1-3" g 2-6"								19	103	96	110	112	440	70	
Rancho Dos Rios	94.7R	1-12"	1	1	1						81	172	346	107	711	425	
L. S. Crane	95.5R	1-16"							81	165	124	129	64	103	666	270	
Bostick Brothers	95.8R	1-10"									164	16			18[illegible]	62	
W. F. Cook (k)	96.0L	1-18"	4	7	4	7	6		10	73	167	371	130	35	814	403	
--GAGING STATION - SAN JOAQUIN RIVER AT GRAYSON--	96.0S																
--LAIRD SLOUGH BRIDGE--	96.0S																
E. S. Brush	98.5R	1-7"						NO DIVERSION									
Rancho El Pescadero	98.9L	1-18"	235	88				108	22	405	324	487	322	18	2009	m 837	
John C. Tosta	103.0L	1-14"					1		13	44	31	34	38	9	170	60	
--GAGING STATION - SAN JOAQUIN RIVER AT PATTERSON BRIDGE--	104.4																
--PATTERSON BRIDGE--	104.4																
Patterson Water District	104.4L	1-14" 2-18" 3-20" 1-36"						309	5950	5650	7140	7640	4230	500	n 31420	p 13724	
Chase Brothers	104.5R	1-10" 1-18"							143	240	395	258	282		1318	q 472	
M. L. Simmons	104.52L	1-5" r 1-4"										1			1	10	
Charles Kincaid	104.7L	s 1-2" s 1-4"									1	2			3	t 4	
Chase Brothers	106.5R	1-10" 1-12"							57	151	449	275	489	239	1660	500	
Tony Spinelli	109.1R	1-12"							24	42	64	69	60	31	290	79	
Twin Oaks Irrigation Company	109.9L	1-12" 2-16" 1-18"						100	1100	890	1340	1400	797	207	5834	u 1447	n 385
T. J. Henderson	110.8R	1-8"	2												2		
J. Holtzman	112.5L	1-3"						NO DIVERSION									
L. A. Thomson (v)	112.55R	w 1-18"	4	1					99	194	178	301	284	115	1175	313	
Turlock Sportsmen Club	113.3R	1-2"									1	1			2	4	
Frank C. Mosier	113.4R	1-10"						4	6	6	6	6	5		33	8	
--GAGING STATION - SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE--	113.5																
--CROWS LANDING BRIDGE--	113.5																
Alfred Silveira	113.85R	1-6"										3	3		6	10	
Alfred Silveira	114.35R	1-7"						NO DIVERSION									
Hazel P. Crow	114.6L	1-2"						NO DIVERSION									
Frank C. Mosier	114.63R	1-8"						NO DIVERSION									
Manual A. Serpa	114.75R	2-10"	69												69	294	
Hazel P. Crow	115.0L	1-10"						PLANT REMOVED									
--ORESTIMBA CREEK--	115.2L																
Roy F. Crow	115.8L	1-10"							143	160	159	91	38	26	617	141	
L. B. Crow	116.05L	1-14"	23					52	129	143	143	156	134	58	838	x 210	
John A. Greer	116.5R	1-12"						NO DIVERSION									
--MERCED RIVER SLOUGH--	122.2R																

TABLE 388

DIVERSIONS AND ACREAGES IRRIGATED
SAN JOAQUIN RIVER (Vernalis to Fremont Ford Bridge) (continued)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--GAGING STATION - SAN JOAQUIN RIVER NEAR NEWMAN	123.7																
--MERGED RIVER--	123.7SR																
Stevinson Corporation (y)	129.1R	1-16"							147			8		769	924	z 435	
VERNALIS TO FREMONT FORD BRIDGE																	
Total			726	241	5	12	10	2568	24180	24380	27330	23300	16190	4943	123900	50020	385
Average cubic feet per second			12	4	0	0	0	43	393	410	444	379	272	80	171		
Monthly use in per cent of annual			0.6	0.2	0.0	0.0	0.0	2.1	19.5	19.7	22.1	18.8	13.1	4.0			

* Mileage along San Joaquin River from its mouth 4.5 miles below Antioch.
** West Stanislaus Irrigation District intake canal. The intake canal joins the San Joaquin River at Mile 91.8L. Distance from the San Joaquin River and the bank is shown in parentheses.
a Of this acreage, 15 were double cropped.
b Includes an undetermined amount of water returned to river by spill.
c This acreage also received an undetermined amount of controlled drainage water. Includes 258 acres which also received an undetermined amount of well water. Of this acreage, 20 were double cropped.
d This acreage also received additional acre-feet diverted from Delta-Mendota Canal as follows: June 1660, July 6870, August 7060, and September 412. Of this acreage, 158 were double cropped. Includes 1866 acres irrigated outside of district plus 22 acres of Banta-Carbona Irrigation District lands. Portions of this acreage also received an undetermined amount of well water.
e Combined acreage for Miles **(0.7N) and **(1.1N). Of this acreage, 214 were double cropped.
f A 6" unit was removed in 1957.
g One 6" unit was a temporary installation in 1958.
h Includes 20 acres which also received an undetermined amount of controlled drainage water.
i Includes 105 acres which also received an undetermined amount of controlled drainage water.
j This acreage also received an undetermined amount of Turlock Irrigation District water.
k Formerly listed as W. R. Cook.
m This acreage also received an undetermined amount of well water.
n 385 acres of rice listed for Mile 109.8L also received an undetermined amount of water from Mile 104.4L.
p Of this acreage, 906 were double cropped. This acreage also received additional acre-feet diverted from Delta-Mendota Canal as follows: April 257, May 594, June 573, July 639, August 473, September 328, and October 134. Includes 52 acres which also received an undetermined amount of well water.
q Of this acreage, 65 were double cropped.
r The 4" unit was a temporary installation in 1958.
s Replaces a 3" unit. The 4" unit was a temporary installation in 1958.
t This acreage also received an undetermined amount of controlled drainage water.
u Of this acreage, 526 were double cropped.
v Formerly listed as L. A. Thomson and J. N. Barbour.
w Replaced a 16" unit in August 1958.
x Of this acreage, 18 were double cropped.
y New installation in 1958.
z Includes 185 acres which also received an undetermined amount of water from East Side Canal Company.

TABLE 389

DIVERSIONS AND ACREAGES IRRIGATED
SAN JOAQUIN RIVER (Fremont Ford Bridge to Gravelly Ford)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov -Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--GAGING STATION - SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE--	129.5																
Stevinson Corporation (e)	135.7R	1-14"															
Wolfsen Land and Cattle Company (b)	154.7R	1-14"								42	321	554	416	206	c 1539	241	
Erreca Farms	161.4R	1-8"									51	59			d 110	11	
Erreca Farms	161.9R	1-18"							14	56	486	458			1014	d 666	
Dye Farms	162.9R	1-12"						NO DIVERSION									
Dye Farms	163.2R	1-12"								110	349	227	77	75	838	405	
D. L. McNamara (a)	163.6R	1-16"															
Newhall Land and Farming Company 1 (a)	**(0.3R)	1-12"															
Newhall Land and Farming Company 2 (a)	**(4.3OR)	1-10"															
Newhall Land and Farming Company 3 (a)	**(5.12R)	1-10"															
Newhall Land and Farming Company 4 (a)	**(6.07R)	1-5"															
Central California Irrigation District 1 (e)	f 169.9SL	1-12"									55	173	78	24	330		
Central California Irrigation District 2 (e)	f 185.6L	1-16"									442	359	107	210	1118		
--GAGING STATION - SAN JOAQUIN RIVER NEAR DOS PALOS--	186.0																
San Luis Canal Company	g 186.6L	Gravity	3810	4290	111		1470	3860	22400	24500	27100	25300	18900	6860	138000	44108	
--FIREBAUGH BRIDGE--	198.4																
Luke Zeninovich	206.0L	1-4"						NO DIVERSION									
--GAGING STATION - SAN JOAQUIN RIVER NEAR MENDOTA--	209.2																
--MENDOTA DAM--	209.6J																
Central California Irrigation District (h)	209.8L	Gravity	7130	185	1640	3140	7560	15760	99500	93900	87300	60400	43800	25400	465700	i 142760	7914
--FRESNO SLOUGH--	209.0L																
--DELTA-MENDOTA CANAL--	8(0.2L)																
Firebaugh Canal Company	8(0.4L)	2-24" 2-36" 2-42"	1820	700	167		297	1630	12200	11000	13400	15100	4560	1530	62400	13375	4.23

TABLE 389

DIVERSIONS AND ACREAGES IRRIGATED
SAN JOAQUIN RIVER (Fremont Ford Bridge to Gravelly Ford) (continued)

November 1957 through October 1958

Water User	Mile and Bank a	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
M. Jensen (j)	8(1.9R)	k												127	127	186	
Paul Matheson	8(3.2L)	1-10" 1-12"							244	134	304	231	201	209	1323	m 582	
Grace Brothers	8(3.4L)	1-16"	313	11			234	482	544	651	643	832	703	460	n 4373	p,r 1990	q,r 160
State of California Mendota Waterfowl Management (j)	8(6.5-8.2O)		1260	67		40	93	81	1040	2250	2280	2510	2920	3860	s 16410		
Fresno Slough Water Association (j)	8(9.20-10.50R)		2					56	603	1320	1300	1060	290		4637	1275	430
--JAMES BYPASS--	8(11.80R)																
Traction Ranch (j)	88(0.75)		10						522	766	573	760	369	401	3401	1775	
Reclamation District 1606 (j)	88(1.50)		6										24		30	95	
James Irrigation District (j)	88(4.4)						666	99	4	179	3020	5270	1690	1930	12860	12919	1217
Tranquillity Irrigation District (j)	8(12.00-13.75)				65		1230	938	1490	3330	5540	5730	389	242	19450	8945	1460
Melvin D. Hughes (j)	8(12.20)	t						24		18	30	30			102	42	
--LONE WILLOW SLOUGH--	219.8R																
Columbia Canal Company	219.8R	u	2500	1350		295	833	779	8160	9460	8630	8790	5380	2960	49140	13640	1127
--GAGING STATION - SAN JOAQUIN RIVER AT WHITEHOUSE--	219.8J																
United Farms Company	225.2L	v 1-4"							NO DIVERSION								
--GRAVELLY FORD CANAL--	232.9R																
FREMONT FORD BRIDGE TO GRAVELLY FORD																	
Total			16850	6603	1983	3481	12380	23650	146700	248200	251800	247800	79910	44490	784000	249100	18530
Average cubic feet per second			283	107	32	63	201	397	2386	2491	2469	2404	1343	724	1083		
Monthly use in per cent of annual			2.1	0.8	0.3	0.4	1.6	3.0	18.7	18.9	19.4	18.9	10.2	5.7			

* Mileage along San Joaquin River from its mouth 4.5 miles below Antioch.
** Plant is located on Sand Slough which diverts from San Joaquin River at Mile 168.4R. Distance from San Joaquin River and bank is shown in parentheses.
8 Located on Fresno Slough which diverts from San Joaquin River at Mile 209.0L. Distance from San Joaquin River and bank is shown in parentheses.
88 Plant is located on James Bypass which diverts from Fresno Slough at Mile 8(11.8OR). Distance from Fresno Slough and bank shown in parentheses.
a Water diverted by this plant is controlled drainage water and will not be reported in subsequent reports.
b New installation in 1958.
c Includes an undetermined amount of spill and controlled drainage water.
d 234 acres listed for Mile 161.9R also received an undetermined amount of water from Mile 161.4R.
e Installed prior to 1958. Not previously listed.
f Central California Irrigation District plants at Mile 169.95L and 185.6L supplement the district gravity supply at Mile 208.8L.
g Point of diversion is at head of Temple Slough.
h Main canal, also includes outside canal and Helm Ditch.
i Includes double cropped acreage.
j Data furnished by U. S. Bureau of Reclamation.
k Portable pump located on Little San Joaquin Slough, near South ¼ corner, Section 28, T.13S., R.15E.
m Of this acreage, 70 were double cropped.
n Includes an undetermined amount of return flow to Fresno Slough.
p Of this acreage, 690 were double cropped.
q This acreage was double cropped.
r This acreage also received an undetermined amount of well water.
s Includes delivery from Delta-Mendota Canal via San Luis Wasteway.
t Mobile pump.
u Includes diversion by Mendota Pool pumps, Mowry pumps and gravity diversion into Lone Willow Slough.
v The 12" unit was removed in 1957.

TABLE 390

DIVERSIONS AND ACREAGES IRRIGATED
SAN JOAQUIN RIVER (Gravelly Ford to Friant Dam)

November 1957 through October 1958

Water User	Mile and Bank a	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct.		General	Rice
W. A. Rochergan	233.66R	1-6"							43	71	8				122	66	
A. J. Wheeler	**235.02	1-2½"													a		
Ernest D. Hart	235.03L	1-3"													a		
Dewey A. Johnson	235.33R	b 1-5"					1		2	52	50	77	34		216	c 90	
Dewey A. Johnson (d)	236.28R	1-6"								8	17	9	6		40	e 21	
--GAGING STATION - SAN JOAQUIN RIVER NEAR BIOLA--	236.4R																
Hansen, K. J. Smith and R. C. McInturf (f)	237.33L	1-8"			58					8					66	g 235	
J. A. Peterson	237.98R	1-6"								50	51	67	84	5	8	265	81
--SKAGGS BRIDGE--	238.1R																
--BOWSER RECORDING GAGE--	242.41L																
A. and M. Overgaard	243.8&3R	1-5" 1-6"							38	30	73	5			146	h 126	
Y. H. Donny 1 (i)	244.86L	1-7"	4								26	13		12	55	j 126	

TABLE 39c

DIVERSIONS AND ACREAGES IRRIGATED
SAN JOAQUIN RIVER (Gravelly Ford to Friant Dam) (continued)

November 1957 through October 1958

Water User	Mile and Bank	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov. Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Pice
[illegible] and F. Farms [illegible] Corporated [illegible]	245.36R	1-6"	1				17	1	99	89	64				271	m 85	
[illegible] George Mordecai	245.63R	1-1½"	NO DIVERSION														
[illegible] Penny	245.81R	1-6"								8					8	j 31	
[illegible] HIGHWAY BRIDGE	247.38																
[illegible] Berti and Sons	247.64R	1-5"								23		18	6	10	57	e 129	
Mrs. Earl W. McKinley	248.51R	1-3"	NO DIVERSION														
[illegible] RAILROAD BRIDGE	249.23																
[illegible] Miller Brothers	251.46R	1-6"						16	73	78	74	65	23	11	340	42	
[illegible] W. [illegible] Farrell 1	253.0L	1-8"							128	146	136	140	120	44	714	104	
[illegible] A. [illegible] Farrell 2	253.30L	1-4"						20	35	82	56	87	68	13	361	22	
[illegible] Lloyd [illegible] Conroy (n	253.79R	1-5"	2						3	19	1	7	6	24	62	25	
[illegible] L. Howard	254.92R	1-6"	PLANT REMOVED														
Sycamore Island Stock Ranch 7	**254.90	1-4"	NO DIVERSION														
[illegible] L. Howard	254.93R	1-6"								79	167	81			327	65	
Greiner, Wright, and Greiner	254.98L	1-7"	PLANT REMOVED														
Sycamore Island Stock Ranch 6	**255.00	1-3"								13	16	16	10	2	57	30	
Sycamore Island Stock Ranch 5	255.34R	1-6"						14	16	68	60	35	10	9	212	p 70	
Sycamore Island Stock Ranch 4	**255.84	1-5"							29	36	34	28	37		164	35	
Sycamore Island Stock Ranch 3	255.93R	1-4"						11	18	26	24	25			104	p,q 26	
Sycamore Island Stock Ranch 2	256.52R	1-8"						1	49	53	104	88	69	21	p 385	74	
Emma Pappas 1	257.1L	1-8"							9	58	94	147	58		366	s 135	
Emma Pappas 2	257.70L	1-12"							18	53	46	31	8		s 156	69	
L. O. Cobb	258.08L	1-6" 1-7"							58	126	143	110	24	9	470	t 159	
--STATE HIGHWAY 41 BRIDGE--	258.33																
R. J. Curtis	258.39L	1-4" 1-7"						1	24	59	44	40	15		183	64	
W. E. Roberts 1	258.80L	1-6"	4	1					16	27	24	16	13	3	104	u 138	
W. E. Roberts 2	258.90L	1-12"			2	1	2	6	58	71	94	69	31	56	390	u	
[illegible] E. Cobb	259.39R	2-6"						8	27	35	50	38	11	3	172	v 81	
--OLD LANES BRIDGE--	259.78																
Marjorie E. Sims	259.80L	1-6"							1	34	38	47			120	38	
J. E. Cobb 3	260.4R	1-6"	3					35	100	84	104	115	84	73	599	110	
Duane M. Folsom	261.10L	1-2½"	PLANT REMOVED														
[illegible] [illegible] Arnold	261.53R	1-4" 1-5"				1		19	36	85	78	85	48	45	397	239	
Duane M. Folsom	261.6L	1-3½"	PLANT REMOVED														
Duane M. Folsom	261.7[illegible]	1-6"	4					12	86	131	148	106	81	46	674	179	
E. G. Rank	**261.75	1-5"	8					3	25	26	8				70	20	
M. [illegible] Arnold	261.78R	1-2½"							1	2	2	1	1	1	8	1	
E. [illegible] Rank 2	**261.9[illegible]	1-5"								12	22	18			52	30	
E. G. Rank 1	**262.[illegible]	1-6"								13	24	23			60	38	
Duane M. Folsom	262.27L	1-8"								23	45	69	5		142	w 50	
E. G. Rank, Jr.	262.32L	1-5"						16	38	48	59	43	30	11	w 254	45	
A. Brown	262.43L	1-5"							19	16	33	20	18		106	50	
E. G. Rank	262.48L	1-5"		2	1	2		2	16	28	42	52	13	10	168	51	
Dale Malcom 1 (x	262.6[illegible]	1-5"								39	70	104	7		220	y 85	
--SAMPLES RANCH REAL ESTATE DING Co.--	262.66																
A. H. Mohde	262.66L	1-7"							7	50	87	84		8	236	108	
Dale Malcom 2	263.40R	1-7"	20					63	187	195	194	187	129	86	y 1067	87	
Dale Malcom 3 (x	263.48R	1-6"	8					8	7		3	13	10	19	68	55	
M. K. Jensen	263.76L	1-5"	8	1				26	73	82	109	109	76	34	516	a 81	
Pacific Coast Aggregate Company	264.0[illegible]	1-5" 1-8"	NONAGRICULTURAL USE														
M. A. Hall 1	aa 264.[illegible]	1-5"	NO DIVERSION														
M. A. Hall 2	aa 264.[illegible]	1-5"							39	64	141	23	64	90	420	25	
M. A. Hall 3	aa 264.00L	1-3"	PLANT REMOVED														
M. A. Hall 4	264.08L	1-6"	5					15	70	100	51	11			252	24	
[illegible] B. Hall	264.[illegible]	1-6"						24	77	97	90	89	100	123	600	35	

TABLE 39[illegible]

DIVERSIONS AND ACREAGES IRRIGATED
SAN JOAQUIN RIVER (Gravelly Ford to Friant Dam) (continued)

November 1957 through October 1958

Water User	Mile and Bank *	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug.	Sept	Oct		General	Rice
W. P. Ball	264.83L	1-4" 1-5"						11	57	61	67	57	40	23	316	34	
V. D. Roullard 1 (ab)	265.38L	1-6"						10	6	40	19	19			94	4[illegible]	
V. D. Roullard 2 (ab)	265.40L	1-5"							5	18	21	15	3	4	66	12	
Virgil Durando	267.56L	1-7"	2	3					13	124	202	142	52	24	562	196	
--GAGING STATION - SAN JOAQUIN RIVER BELOW FRIANT--	268.13L																
--FRIANT BRIDGE--	268.88																
Wishon-Watson Company	269.18R	1-5"	33	15					44	32	26	34	4		188	40	
--COTTONWOOD CREEK--	269.53R																
--FRIANT DAM--	269.63																
GRAVELLY FORD TO FRIANT DAM																	
Total			111	80	3	4	20	360	1700	2834	3074	2737	1325	819	13070	3807	[illegible]
Average cubic feet per second			2	1	0	0	0	6	28	48	50	45	22	13	18		
Monthly use in per cent of annual			0.8	0.6	0.0	0.0	0.2	2.8	13.0	21.7	23.5	20.9	10.1	6.3			

* Mileage along San Joaquin River from its mouth 4.5 miles below Antioch.
** Point of diversion and place of use is an island in midstream.
a Domestic use.
b A 4" unit was removed in 1958.
c This acreage also received an undetermined amount of well water. Of this acreage, 69 were double cropped.
d Formerly listed as Santos Carrasco.
e This acreage also received an undetermined amount of well water.
f Formerly listed as Smith, McInturf and Hansen.
g Includes 5 acres of Morello Winery Lands. This acreage also received an undetermined amount of Fresno Irrigation District water.
h This acreage also received an undetermined amount of Madera Irrigation District water.
i Formerly listed as Y. H. Donny.
j This acreage also received an undetermined amount of Fresno Irrigation District water.
k Formerly listed as C. L. Hammar.
m This acreage also received an undetermined amount of well water. Includes 17 acres which also received an undetermined amount of Madera Irrigation District water.
n Formerly listed as A. L. Boucher.
p 16 acres listed for Mile 255.93R also received 14 acre-feet of water and 23 acres listed for Mile 255.34R also received 30 acre-feet of water from Mile 256.52R.
q Of this acreage, 2 were double cropped.
r Replaces a 6" unit.
s 10 acres listed for Mile 257.1L also received an undetermined amount of water from Mile 257.7L.
t Includes 35 acres of J. E. Cobb lands.
u Combined acreage for Miles 258.80L and 258.90L.
v Of this acreage, 7 were double cropped.
w The acreage listed for Mile 262.27L also received an undetermined amount of water from Mile 262.32L.
x Formerly listed as Dale McCoon.
y The acreage listed for Mile 262.8R also received an undetermined amount of water from Mile 263.40R.
z Of this acreage, 29 were double cropped.
aa Plant is located on pond whose major source of supply is from the Pacific Coast Aggregate Company plant at this mile.
ab Formerly listed as V. D. Roullard.

TABLE 391

DIVERSIONS AND ACREAGES IRRIGATED
MERCED RIVER

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
--HILLS FERRY BRIDGE--	1.1																
Stevinson Water District 1	1.8R	1-15"									40	103	17		160	210	
Stevinson Water District 2	3.3R	1-20"	[illegible]					8	354	489	586	560	593	83	2718	683	
Milton Gordon	4.3L	1-10"					11			40	57	47	26	25	206	140	
--GAGING STATION - MERCED RIVER NEAR STEVINSON--	4.6																
Salvatore De Angelis	4.8L	1-12"								17	14	21	11	15	78	33	
Maria De Angelis	5.8L	1-12"						4	3	42	51	46	16	2	164	a 70	
3H Securities (b)	6.1L	1-15"						NO DIVERSION									
Stevinson Water District 3	7.7L	1-20"							98	72	70	71		100	411	c 1227	
Manuel Clemintino	8.5L	1-12"							16	16	36	27	39	1	135	d 80	
Manuel Clemintino	8.9L	1-12"							36	44	54	70	23	17	244	116	
Samuel B. McCullagh	9.4L	1-12"				1			45	114	122	123	27		432	212	
J. R. Jacinto	9.6L	1-12"						5	41	49	53	90	44		282	91	
R. W. Adams, I. B. Silva, L. Alves, and A. Mattos	10.35L	1-10"				10			277	239	209	283	170	123	1310	e 370	
John Vierra	10.8R	1-3"							7	7	12	11	9	6	52	25	
Manuel Freitas	10.9L	1-12"						25	50	118	57	99	128	14	491	188	
A. E. Prusso and John Vierra	10.9L	1-5" 1-8" 1-12"				17		7	49	96	80	100	69	22	439	206	
M. Turner	11.25R	1-2"						NO DIVERSION									
Claude Hayes (f)	11.6L	g 1-6" 1-8"	o					78	68	215	226	224	56		873	316	
E. and J. Gallo Winery Ranch	11.6L	1-12"						-	68	16	63	54			201	h	
--MILLIKEN BRIDGE--	11.65																
M. Turner	11.7R	1-4"						NO DIVERSION									
E. and J. Gallo Winery Ranch	12.35L	1-10"	39					5		37	46				127	h	
Soren Husman	12.4L	1-6"						1	10	7	25	15	5	10	73	i 36	

TABLE 391

DIVERSIONS AND ACREAGES IRRIGATED
MERCED RIVER (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
M. Turner	12.5R	1-12"				2				3	10	14			29	30	
E. and J. Gallo Winery Ranch	12.85L	1-12"	111					27	122	213	281	38		10	802	h 410	
M. Turner	13.4R	1-4"	NO DIVERSION														
Anthony C. Pires	14.3R	1-6"									6	8	7		21	26	
J. M. Souza	14.5L	1-10"				7			18	42	46	58	1		172	k 87	
Anthony C. Pires	14.8R	1-6"									3	9			12	m 25	
C. Koehn	14.8L	1-5"	NO DIVERSION														
Anthony C. Pires	15.4R	1-6"										6	5		m 11	12	
A. H. Stafford	16.2R	1-7"							5	5	7	9	9	14	49	35	
--GAGING STATION - MERCED RIVER NEAR LIVINGSTON--	16.49																
E. and J. Gallo Winery Ranch	16.5L	1-10"	84						44	143	172	66		3	512	152	
C. J. Carpenter	17.05L	1-7"									24	22	11	6	63	n 57	
S. Magsalay	18.1R	1-6"	1					6	23	12	9	13	3	3	70	30	
J. H. Thomas	18.4L	1-6"						4	11	16	30	23	17	3	104	p 45	
Harold S. Tune (q)	18.5L	1-4"	2							3	4	14	6	2	31	26	
William Standridge (r)	18.6R	1-5"									3	3			6	12	
Elmer Pritchard (r)	19.3R	1-6"									12	5	3		20	18	
S. P. Magsalay	19.8L	1-6"							3	4		4			11	19	
City of Livingston (s)	19.8L	1-6"							8	6	5	6	4	6	35	12	
E. Schmidt	20.3R	1-6"								6	9	19	8	2	44	27	
J. E. Gallo	20.4L	1-7"							38	4	31	36			109	116	
C. L. Carlson	20.6R	1-6"							8	20	18	24	12	5	87	35	
--U. S. HIGHWAY 99 BRIDGE--	21.04																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	21.05																
Gallo Cattle Company	21.05R	1-6"							8		12	12	3		35	26	
Gallo Cattle Company	22.2R	1-10" 1-16"	3	1		1			103	138	257	219	60	97	879	t 257	
Gallo Cattle Company	22.8R	1-12" 1-15"							28	80	97	121	94	30	450	u 233	
C. L. Hart	23.0L	v 1-3"	NO DIVERSION														
C. L. Hart	23.1L	v 1-3"								2					2	6	
C. L. Hart	23.4L	v 1-3"									3				3	10	
Norman Pasadori (w)	24.2R	1-6"									15	32	5	9	61	44	
C. L. Ball (x)	24.5L	1-6" y 1-3"								23	26	30	3		82	40	
Joe Nishihara (z)	25.0R	1-5"									36	30			66	34	
Joe Nishihara (z)	25.5R	1-6"							3	8	29	21	15	1	77	65	
Merced River Farms Association	26.3R	1-8"						20	70	101	109	106	59	6	471	92	
W. C. Magneson	26.55R	1-5" 1-6"							26	28	28	51	26	14	173	32	
Joseph Vierra	26.8L	1-10"	NO DIVERSION														
--SANTA FE RAILROAD BRIDGE--	27.35																
W. C. Magneson	27.5R	1-10"								105	102	136	67		410	136	
--GAGING STATION - MERCED RIVER AT CRESSEY--	27.6																
Joe Nishihara (z)	27.8R	1-6" aa 1-4"						2	2	3	7	2	2	1	19	17	
Al and Harriet Wentzel	27.85L	1-1½"	1						3		2	2	1	2	11	13	
M. Uyekubo	28.1R	1-5"		2						1	6	2	3	1	15	20	
John Feria	28.4R	1-5"								1	16	11	4	7	39	15	
J. Campedonica	28.6R	1-6"								6		6		6	18	18	
Oliver Alves	28.6R	bb 1-6"									38	24	23		85	85	
Anthony Demchille	29.1R	1-7"									19	20	2		41	57	
Anthony Demchille	29.7R	1-6"									13		19	2	34	24	
Manue. Silva 4	29.9R	1-6"								24	69	70			163	65	
Manuel Silva 2	30.4L	1-10"								24	34	7			65	100	
Frances I. Rose	30.7L	1-6"						6	3	12	13	15	2	7	58	38	
Manuel Silva 3	30.9R	1-12"								53	165	170			388	135	
E. F. Bettencourt	31.1L	1-8"								3	77	80	18	29	207	100	
Manuel Silva 1 (e	31.4	1-1							11	90	133	64	29		331	75	
Manuel Silva	31.5R	1-6"															
Jack Fretzer	31.6R	1-6"							1	11	33	18	15	4	114	45	
E. Melarides	32.3L	1-12"					3	1	7		6	120	8		ad 161		

TABLE [illegible]

[illegible]

[illegible]

Water User	Mile and Bank [illegible]	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible]																	
[illegible]																	
[illegible]																	
[illegible]																	
[illegible]																	
[illegible]																	
[illegible]																	
[illegible]																	
[illegible]																	

[illegible]

TABLE [illegible]

[illegible]

[illegible]

Water User	Mile and Bank above [illegible]	Number and Size of Pump	Monthly Diversion in Acre-Feet												Total Diversion Nov.-Oct. Acre-Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
[illegible]																	

...ntinued

...ber 1...through ...ber 19...

Water User	Mile and Bank under ...	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		General	Rice
[illegible]	2[illegible]	1-12							15	24	1[illegible]	[illegible]	[illegible]	[illegible]	43[illegible]	[illegible]	
[illegible]	2[illegible]	[illegible]-4" 1-5"							14	[illegible]	34	19	25	[illegible]	[illegible]		
[illegible]	2[illegible]																
[illegible]	[illegible]	1-[illegible] [illegible]"								4	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	23[illegible]	[illegible]-14" 1-[illegible]"									[illegible]	15	[illegible]	[illegible]	64	[illegible]	[illegible]
[illegible]	24[illegible]	[illegible]-						1	9	11	10	1	[illegible]	[illegible]	42	[illegible]	
[illegible]	[illegible]	[illegible]-							NO DIVERSION								
[illegible]	[illegible]	[illegible]-4"							4	11	14	17	4	[illegible]		[illegible]	
[illegible]	[illegible]	[illegible]-4"								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14		
[illegible]	[illegible]	[illegible]-4								4	19	41	[illegible]	[illegible]	4	43	
[illegible]	[illegible]	[illegible]-4"							17	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]-4"								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	
[illegible]	[illegible]	P [illegible]-4 1-								[illegible]	[illegible]	19	[illegible]	[illegible]	34	[illegible]	
[illegible]	23[illegible]	1-[illegible]						[illegible]	[illegible]	45	[illegible]	[illegible]	5[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	23[illegible]	1-[illegible]								19	[illegible]	17	[illegible]	[illegible]	44	[illegible]	
[illegible]	24[illegible]	1-[illegible]							17	[illegible]	15	20	[illegible]	[illegible]	52	[illegible]	
[illegible]	24[illegible]	1-[illegible]						NO DIVERSION									
[illegible]	24[illegible]	1-[illegible]							[illegible]	[illegible]	13	31	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	29[illegible]	[illegible]-4"	4[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	34	[illegible]	34	41	31	[illegible]	2[illegible]	[illegible]	
[illegible]	30[illegible]	[illegible]-4"						[illegible]	14	1	5	[illegible]	77	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	1-4							1	1		1	1		4	4	
[illegible]	[illegible]	[illegible]-4"															
[illegible]	[illegible]	[illegible]-4" 1-[illegible]"							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	1-[illegible] [illegible]-6"								7	2	[illegible]	[illegible]		16	16	
[illegible]	39.41	1-1[illegible]"	2					3	10	11	12	13	11	[illegible]	69	[illegible]	
[illegible]	39.44	1-[illegible]						23	22	66	59	96	64	20	[illegible]	t [illegible]	
[illegible]	[illegible]	1-[illegible]						1	[illegible]	19	36	31	4		99	u 365	
[illegible]	[illegible]	[illegible]-4"															
[illegible]	[illegible]	1-14"						[illegible]	73	24	[illegible]2	69	46	31	333	u	
[illegible]	43.31	1-[illegible]"						NO DIVERSION									
[illegible]	45.[illegible]	1-10"						16	34	[illegible]	73	69	29	2[illegible]	323	98	
[illegible]	[illegible]	1-[illegible]"					22		4[illegible]	70	[illegible]6	92	67	23	40[illegible]	42	
[illegible]	[illegible]	1-[illegible]"							2	11	10	8	6		43	44	
[illegible]	[illegible]	[illegible]-4"															
[illegible]																	
[illegible]			[illegible]	14[illegible]	[illegible]	[illegible]	44	233	958	1353	1862	2375	1504	636	9191	.714	
[illegible]			[illegible]	2	[illegible]	[illegible]	[illegible]	4	10	23	10	34	25	10	19		
[illegible]			..1	1.5	.1	[illegible]	.2	2.5	10.4	14.7	20.3	25.8	16.4	6.7			

a This acreage also received an undetermined amount of uncontrolled drainage water from the Modesto Irrigation District.
b Includes an undetermined amount of water returned to river by pipeline.
c Includes 75 acres which also received an undetermined amount of uncontrolled drainage water.
d Of this acreage, 42 were double cropped.
e Formerly listed as [illegible] and L. [illegible] Ridenhour.
f This acreage also received an undetermined amount of drainage water from Empire Sewer Farm.
g Of this acreage, 5 were double cropped.
h Replaced a 4" unit in 1958.
i New installation in 1958. Replaces plant not previously listed.
j Includes [illegible] acres of [illegible] land.
k Formerly listed as L. B. and J. H. Fox.
m Formerly listed as H. A. Low.
n Formerly listed as Paul J. Ferguson.
p The 14" unit was a temporary installation in 1958.
q Formerly listed as [illegible] Chase.
r New installation in 1958.
s The 3" unit was installed in 1958.
t Of this acreage, 25 were double cropped.
u Combined acreage for Miles 39.4L and 40.4L. This acreage also received an undetermined amount of well water. Of this acreage, 55 were double cropped.
v Formerly listed as William J. Silva.
w Formerly listed as J. F. Fine.

[illegible]

[illegible] through October 19[illegible]

Water User	Mile and Bank above Mouth	Number and Size of Pump	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Total Diversion Nov-Oct Acre Feet	Acreage Irrigated: General	Acreage Irrigated: Rice
[illegible]	[illegible]	[illegible]								[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	
--[illegible] COMPANY [illegible]--	[illegible]																
--[illegible] Boulevard	[illegible]																
--[illegible]--	[illegible]																
[illegible]ry LaBarber[illegible]	[illegible]	[illegible]							[illegible]						[illegible]	[illegible]	
[illegible] Melrose [illegible]	[illegible]	[illegible]								[illegible]					2	[illegible]	
--[illegible]--	[illegible]																
--[illegible]--	[illegible]																
--[illegible]--	[illegible]																
--[illegible]--	[illegible]																
--[illegible]--	[illegible]																
[illegible] Tunes (d)	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	
[illegible] Weaver	[illegible]	1-[illegible]															
[illegible] Frank	[illegible]	1-[illegible]															
--[illegible]--	[illegible]																
--[illegible] IRRIGATION DISTRICT [illegible]--	[illegible]																
Joe Fagundes, Jr.	[illegible]	1-[illegible]						[illegible]	[illegible]	16	[illegible]	[illegible]			[illegible]	[illegible]	
Edward Johnson (f)	[illegible]	1-[illegible]								5					8	g [illegible]	
Edward Johnson (h)	[illegible]	1-[illegible]										[illegible]			2	[illegible]	
Edward Johnson	[illegible]	1-[illegible]								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	i 95	
Edward Johnson (f)	12.7[illegible]	1-[illegible]							4	[illegible]	[illegible]	[illegible]	[illegible]		38	g 40	
Irene Luckslnger	13.41	1-[illegible]															
Aaron F. Layman [illegible]	[illegible]	1-[illegible]								3	[illegible]	[illegible]			8	18	
Joe Fagundes	[illegible]	1-[illegible]			4		[illegible]	[illegible]	[illegible]43	134	[illegible]	[illegible]	9[illegible]	37	721	100	
[illegible] H. French	17.2[illegible]	1-[illegible]							2	[illegible]3	[illegible]	[illegible]			69	20	
--[illegible]--	[illegible]																
[illegible] Total			[illegible]		4	[illegible]	[illegible]	49	174	19[illegible]	22[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Average cubic feet per second			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible] in per cent of [illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]3	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

[illegible] acreage also received an undetermined amount [illegible] controlled [illegible] water from Modesto Irrigation District.
[illegible] Formerly listed as Henry LaBarberg.
[illegible] Installed in 195[illegible]. [illegible] previously listed.
[illegible] Formerly listed as Charles [illegible] and Francis [illegible].
e [illegible] acreage also received an undetermined amount [illegible] water from [illegible] Irrigation District.
[illegible] Formerly listed as Irene Lucksinger.
g This acreage also received [illegible] determined amount of water from Oakdale Irrigation District.
h Temporary installation in [illegible].
i This acreage also received an undetermined amount of water from Oakdale Irrigation District. Of this acreage, 3[illegible] were double cropped.
[illegible] Formerly listed as [illegible] Peterson.

[illegible]

[illegible]

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Total Diversion Nov-Oct Acre Feet	Acreage Irrigated: General	Acreage Irrigated: Rice
[illegible]	[illegible]	[illegible]									[illegible]	3	2		[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
--[illegible]--	[illegible]																
[illegible]	[illegible]	[illegible]									[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	9[illegible]	[illegible]	[illegible]	1[illegible]2	1[illegible]	9[illegible]	3[illegible]	
[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	3[illegible]9	2[illegible]	24[illegible]	1[illegible]9	a 16[illegible]		
[illegible] and [illegible]	[illegible]	[illegible]								[illegible]11	35[illegible]	32[illegible]	276	3[illegible]3	1589	a 931	
[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	135	1430	1[illegible]	42[illegible]	682[illegible]	1797	
[illegible] District [illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	31[illegible]0	3570	2940	2430	1280	1[illegible]410	2927	
[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	23	19	19	21	140	50	
[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	39					141	115	
[illegible]	[illegible]	[illegible]															
[illegible]	[illegible]	[illegible]								[illegible]	[illegible]	[illegible]	11	39	176	[illegible]	

TABLE 3[illegible]

DIVERSIONS AND ACREAGES IRRIGATED
STANISLAUS RIVER (continued)

November 1957 through October 1958

Water User	Mile and Bank above Mouth	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov.-Oct. Acre Feet	Acreage Irrigated	
			Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		General	Rice
[illegible] Maced	[illegible]outh	1-1[illegible]						81	203	322	363	315	275	165	1724	c 452	
[illegible] Frank	8.7R	1-10"	9	1				119	193	206	287	209	46	9	1078	d 265	
[illegible] Martinez	9.4L	1-10"							194	346	312	291	255	116	1514	380	
--[illegible] STATE [illegible] - STANISLAUS [illegible] AT [illegible] TIMBER [illegible]--	9.5																
[illegible] L. Hertle	9.8L	1-10"				4	1	8	16	14	26	37	20	4	130	e 57	
[illegible]n Canton	10.0R	1-16"						NO DIVERSION									
[illegible] E. Van Veldhuizen	12.7R	1-12"										25	16		41	35	
Duck Run	12.8L	1-1½"						NO DIVERSION									
--GAGING STATION - STANISLAUS RIVER AT RIF[illegible]--	15.7L																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	15.7																
--U. S. HIGHWAY 99 BRIDGE--	15.[illegible]																
A. Girard	17.7L	1-16"			1				18	52	165	140	101		f 477	g 300	
[illegible] Freethy	19.0R	1-14"	26					31	31	44	87	129	48	13	409	h 187	
W. J. Freethy	19.[illegible]	1-3" 1-4"						NO DIVERSION									
Allen Ranch	20.9R	1-14"						186	216	187	282	394	178	18	1461	i 375	
Heath Ranch	21.2L	1-5"						NO DIVERSION									
Philip S. Chinchiolo and [illegible]on	22.3R	1-10"						PLANT REMOVED									
--[illegible] TUOLUMNE HIGHWAY BRIDGE--	29.5																
R. F. Floden	29.6L	1-10"									4	13	21		38	40	
--[illegible] Fe RAILROAD BRIDGE--	31.4																
--GAGING STATION - STANISLAUS RIVER AT RIVERBANK--	33.0																
R. F. Barton	36.2R	1-7"								19	20	11	1		51	150	
Oakdale Irrigation District (Crawford Pump)	37.7L	1-14"				1			12	73	209	140	3		f 438	k 396	
Oakdale Irrigation District (Brady Pump)	39.1L	1-12"					4	19	69	124	163	6	15		f 400	m 441	
--OAKDALE-STOCKTON HIGHWAY BRIDGE--	41.2																
--SOUTHERN PACIFIC RAILROAD BRIDGE (Oakdale Branch)--	41.2																
--GAGING STATION - STANISLAUS RIVER AT [illegible]RANGE BLOSSOM BRIDGE--	47.0																
Harry Himes (n)	49.2L	1-3"							5	10	9	11	10		45	29	
J. S. Hardin	50.5L	1-6"						7	28	35	40	47	34	23	214	42	
Wesley Milam (p)	51.6R	1-4"								1	1	5	7	4	18	20	
Walter B. Wilms	52.0L	1-10"	1					9	36	44	43	42	37	21	233	45	
--KNIGHTS FERRY BRIDGE--	54.5																
STANISLAUS RIVER																	
Total			204	34	1	5	5	2573	5866	6465	7856	7078	5341	2785	38210	9582	
Average cubic feet per second			3	1	0	0	0	43	95	109	128	115	90	45	53		
Monthly use in per cent of annual			0.5	0.1	0.0	0.0	0.0	6.7	15.4	16.9	20.6	18.5	14.0	7.3			

a [illegible]31 acres listed for Mile 3.4L (Overton Ranch) also received 1[illegible]0 acre-feet of water from Mile 3.4L (Faith Ranch).
b [illegible]f this acreage, 54 were double cropped.
c [illegible]f this acreage, 40 were double cropped.
d [illegible]f this acreage, 20 were double cropped.
e [illegible]f this acreage, 30 were double cropped.
f Includes an undetermined amount of water returned to river by spill.
g Includes 217 acres which also received an undetermined amount of Modesto Irrigation District water.
h [illegible]f this acreage, 35 were double cropped.
i Includes 115 acres which also received an undetermined amount of controlled drainage water and 215 acres which also received an undetermined amount of well water. [illegible]f this acreage, 100 were double cropped.
j Oakdale Irrigation District, for the season of 1958, maintains plants at Miles 37.7L and 39.1L to supplement district gravity supply.
k [illegible]f this acreage, 120 were double cropped. This acreage also received an undetermined amount of water from Stanislaus River, Mile 58.6, the District gravity diversion.
m [illegible]f this acreage, 40 were double cropped. This acreage also received an undetermined amount of water from Stanislaus River, Mile 58.6, the District gravity diversion.
n Formerly listed as George Morena.
p New installation in 1958.

TABLE [illegible]

DIVERSIONS AND ACREAGES IRRIGATED
TULE RIVER

November 1957 through [illegible]tober 1958

Water User	Mile and Bank [e]	Number and Size of Pump	Monthly Diversion in Acre Feet												Total Diversion Nov-Oct Acre Feet	Acreage Irrigated	
			Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct		General	Rice
Pioneer Ditch	a [illegible]R	Gravity	234	217	[illegible]	692	459	[illegible]3	1120	965	854	[illegible]9	916	590	755	b 1817	
Rosedale Water Company (c	1.1L	1-5"							25	38	35	45	33	16	d 192	b 100	
Lois Cottle and Carl Brown [e]	1.65L	1-3"							7	10	11	7	11	4	50	b 15	
--GAGING STATION - TULE RIVER AT [illegible]TH BRIDGE NEAR PORTERVILLE--	2.2																
Boydston Brothers	2.6L	1-4"	13						4[illegible]	58	56	65	54	57	[illegible]04	b,d 210	
Campbell-Moreland Ditch	f [illegible]L	Gravity	14[illegible]	769	583	499	1[illegible]	33	[illegible]	[illegible]71	741	[illegible]02	313	497	[illegible]97[illegible]	[illegible]1170	
--PORTER SL[illegible]GH--	[illegible].2L																
--GAGING STATION - PORTER SLOUGH AT PORTERVILLE--	[illegible]																
--8 LANE BRIDGE--	[illegible].2 [illegible]2.4																
--PIONEER SPILL-- (h)	3.2R(3.7																
Porter Slough Ditch	i 3.2 (4.5R	Gravity		66	155		241	510	944	1260	186				3362	[illegible]67	
--GAGING STATION - PORTER SLOUGH NEAR PORTERVILLE--	3.2R(6.1																
Vandalia Ditch	j 3.9L	Gravity	86	144	201	199	163		193	405	363	[illegible]2	31	14	1[illegible]	k 1382	
--SANTA FE RAILROAD BRIDGE--	5.9																
Poplar Ditch	m 6.6L	Gravity			536	1500	2830	3040	5850	6090	2590	19			22[illegible]6	n	
--STATE HIGHWAY 190 BRIDGE--	6.7																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	6.8																
Hubbs-Miner Ditch	p 7.2R	Gravity		237	197	123	413	369	1050	1300	1090	431			5[illegible]	[illegible].9 1392	
--STATE HIGHWAY 65 BRIDGE--	7.4																
Rhodes-Fine Ditch	r 9.2L	Gravity								165	172				33[illegible]	n	
--OLIVE AVENUE BRIDGE--	10.7																
--FRIANT-KERN CANAL CROSSING--	11.3																
Woods-Central Ditch	s 11.8L	Gravity				593	875	2210	7030	8570	17				19300	n	
--GAGING STATION - TULE RIVER BELOW PORTERVILLE--	12.6																
--ROCKFORD AVENUE BRIDGE--	12.6																
--HUBBS-MINER SPILL-- (t)	12.9R																
Little Pioneer Ditch	15.0L	Gravity	NO DIVERSION														
--OETTLE BRIDGE--	15.2																
TULE RIVER																	
Total			1798	1433	2259	4106	5596	7171	17200	20330	6722	2108	1058	1187	70970	6959	
Average cubic feet per second			30	23	37	74	91	121	280	342	109	34	18	19	[illegible]8		
Monthly use in per cent of annual			2.5	2.0	3.2	5.8	7.9	10.1	24.2	28.6	9.5	3.0	1.5	1.7			

e Mileage downstream from junction with South Fork Tule River.
a Flow measured at gaging station on Pioneer Ditch located approximately 1.0 mile below head.
b This acreage also received an undetermined amount of well water.
c Not reported since 1953.
d 14 acres listed for Mile 2.60L also received an undetermined amount of water from Mile 1.1L.
e Installed prior to 1952. Not previously listed.
f Flow measured at gaging station on Campbell-Moreland Ditch located approximately 2600 feet below head.
g Includes an undetermined amount of water served to Vandalia Irrigation District well fields.
h There were 2370 acre-feet of spill into Porter Slough as follows: November 86, December 83, January 419, February 543, March 489, April 324, May 180, June 92, July 13, August 6, and October 136.
i Flow measured at gaging station on Porter Slough Ditch located approximately 150 feet below head.
j Flow measured at gaging station on Vandalia Ditch located approximately 1000 feet below head.
k This acreage also received an undetermined amount of water from wells and Campbell-Moreland Ditch via well fields.
m Flow measured at gaging station on Poplar Ditch located approximately 4750 feet below head.
n Irrigated acreage unavailable.
p Flow measured at gaging station on Hubbs-Miner Ditch located approximately 3400 feet below head.
q Includes 1127 acres in the Hubbs-Miner Ditch Company and 265 acres in the Gillian-McGee Ditch Company.
r Flow measured at gaging station on Rhodes-Fine Ditch located approximately 3100 feet below head.
s Flow measured at gaging station on Woods-Central Ditch located approximately 100 feet below head.
t There were 1030 acre-feet of spill into Tule River as follows: December 6, January 28, February 30, March 219, April 173, May 235, June 239, July 93, and August 7.

TABLE 396

DIVERSIONS AND ACREAGES IRRIGATED - EAST SIDE CANALS AND IRRIGATION DISTRICTS*

Water User	1957		1958										Total	Acreage Irrigated	
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		General	Rice
San Joaquin River															
Friant-Kern Canal															
Total acre-feet diverted	3580	0	5399	88850	67110	34140	88930	169900	255800	259900	143300	62780	1180000	445200	1991
Average cubic feet per second	60	0	88	1600	1091	574	1446	2855	4160	4227	2408	1021	1630		
Monthly use in per cent of annual	0.3	0	0.5	7.5	5.7	2.9	7.5	14.4	21.7	22.0	12.1	5.3			
Madera Canal															
Total acre-feet diverted	0	0	0	26	4322	6227	27510	51710	63900	59290	28900	5179	247100	132700	344
Average cubic feet per second	0	0	0	0	70	105	447	869	1039	964	486	84	341		
Monthly use in per cent of annual	0	0	0	0	1.7	2.5	11.1	20.9	25.9	24.0	11.7	2.1			
Merced River															
Merced Irrigation District															
Main Canal	0	0	0	0	0	18300	83580	93020	102100	84640	57680	23130	462400	94430	5047
Northside Canal	179	69	125	48	0	1016	3949	4356	4528	4550	3174	1309	23300	3809	0
Total acre-feet diverted	179	69	125	48	0	19320	87530	97380	106600	89190	60850	24440	a 485700	b 98240	5047
Average cubic feet per second	3	1	2	1	0	325	1424	1637	1734	1450	1023	397	709		
Monthly use in per cent of annual	0	0	0	0	0	4.0	18.0	20.0	21.9	18.4	12.5	5.0			
Tuolumne River															
Turlock Irrigation District															
Total acre-feet diverted	460	608	18170	7630	4840	33100	87490	105800	98080	87250	74760	40710	c 558900	d 169700	0
Average cubic feet per second	8	10	295	137	79	556	1423	1778	1595	1419	1256	662	772		
Monthly use in per cent of annual	0.1	0.1	3.3	1.4	0.9	5.9	15.7	18.9	17.5	15.6	13.4	7.3			
Modesto Irrigation District															
Total acre-feet diverted	5449	0	3	12	10650	14410	53860	58030	53690	46170	34010	23530	e 299800	f 67640	243
Average cubic feet per second	92	0	0	0	173	242	876	975	873	751	572	383	414		
Monthly use in per cent of annual	1.8	0	0	0	3.6	4.8	18.0	19.4	17.9	15.4	11.3	7.8			
Waterford Irrigation District															
Total acre-feet diverted	0	0	0	0	0	2301	6957	7244	7389	6483	5024	3116	38510	g 6837	0
Average cubic feet per second	0	0	0	0	0	39	113	122	120	105	84	51	53		
Monthly use in per cent of annual	0	0	0	0	0	6.0	18.1	18.8	19.2	16.8	13.0	8.1			
Stanislaus River															
Oakdale Irrigation District															
Northside Canal	0	0	0	0	0	6927	20870	22320	23020	23120	20450	9921	126600	h 20780	2060
Southside Canal	0	0	0	0	0	12140	31570	31860	33260	33330	30730	17080	190000	i 34960	287
Total acre-feet diverted	0	0	0	0	0	19070	52440	54180	56280	56450	51180	27000	316600	j 55640	2347
Average cubic feet per second	0	0	0	0	0	320	853	911	915	918	860	439	437		
Monthly use in per cent of annual	0	0	0	0	0	6.0	16.6	17.1	17.8	17.8	16.2	8.5			
South San Joaquin Irrigation District															
Total acre-feet diverted	0	0	7755	0	1457	18510	47300	43010	51150	49760	33350	10720	263000	k 61870	231
Average cubic feet per second	0	0	126	0	24	311	769	723	832	809	560	174	363		
Monthly use in per cent of annual	0	0	2.9	0	0.6	7.0	18.0	16.4	19.4	18.9	12.7	4.1			
American River															
Natomas Water Company															
Total acre-feet diverted	1330	1530	1630	1640	1680	1490	2110	2390	2410	2240	1780	1430	21660		
Average cubic feet per second	22	25	27	30	27	25	34	40	39	36	30	23	30		
Monthly use in per cent of annual	6.1	7.1	7.5	7.6	7.8	6.9	9.7	11.0	11.1	10.3	8.2	6.6			
San Juan Suburban Water District															
Total acre-feet diverted	1300	1200	1080	900	1000	1500	3340	3480	4320	4130	3610	3090	28950		
Average cubic feet per second	22	20	18	16	16	25	54	58	70	67	61	50	40		
Monthly use in per cent of annual	4.5	4.1	3.7	3.1	3.5	5.2	11.5	12.0	14.9	14.3	12.5	10.7			

* Data furnished by water users and rounded according to criteria applied by the department.

a An additional 134400 acre-feet of water was pumped from wells.

b Of this acreage, 3424 were double cropped. Does not include an undetermined amount of riparian water users acreage.

c An additional 127300 acre-feet of water was pumped from wells.

d Of this acreage, 23300 were double cropped.

e An additional 61280 acre-feet of water was pumped from wells.

f Of this acreage, 10510 were double cropped.

g Of thie acreage, 393 were double cropped.

h Of this acreage, 498 were double cropped.

i Of this acreage, 306 were double cropped.

j Includes 806 acres listed for Miles 35.9L and 37.0L on the Stanislaus River. This acreage also received 32220 acre-feet of water from wells and controlled drainage.

k This acreage also received an undetermined amount of well water and an undetermined amount of controlled drainage water from Oakdale Irrigation District. Of this acreage, 5181 were double cropped. Includes 1913 acres served by sub-irrigation.

TABLE 397

EXPORTATIONS FROM SACRAMENTO-SAN JOAQUIN DELTA*

November 1957 through October 1958

Water User	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total
						Cache Slough							
City of Vallejo													
Total acre-feet	694	674	593	440	511	591	958	1070	939	1223	1052	687	9437
Average cubic feet per second	12	11	10	8	8	10	16	18	15	20	18	11	13
Monthly use in per cent of annual	7.4	7.1	6.3	4.7	5.4	6.3	10.2	11.3	10.0	13.0	11.1	7.3	
						Old River							
Contra Costa Canal													
Total acre-feet	3267	2584	2460	1904	2333	2836	4239	5272	6038	6381	6255	5512	49080
Average cubic feet per second	55	42	40	34	38	48	69	89	98	104	105	90	68
Monthly use in per cent of annual	6.7	5.3	5.0	3.9	4.8	5.8	8.6	10.7	12.3	13.0	12.7	11.2	
Delta-Mendota Canal													
Total acre-feet	26180	6040	920	3064	15400	6168	32620	40670	174200	188400	106000	70640	670300
Average cubic feet per second	440	98	15	55	250	104	530	684	2833	3064	1781	1149	926
Monthly use in per cent of annual	3.9	0.9	0.1	0.5	2.3	0.9	4.9	6.1	26.0	28.1	15.8	10.5	

* Data furnished by water users and rounded according to criteria applied by the department.

TABLE 48

DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS*

November 1957 through October 1958

Water User	Mile Post from Canal Head		Monthly Deliveries in Acre-Feet											Total
	From	To	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
								Contra Costa Canal						
Contra Costa County Water District														
Industrial and Municipal			2670	2359	2225	1761	2170	2483	3535	4086	4423	4028	5526	4233	40500
Agricultural			37	25	54	1	0	7	142	801	1082	391	256	143	3591
Total			2707	2384	2279	1762	2170	2490	3787	4890	5545	5909	5782	4378	44090
								Delta-Mendota Canal						
Plain View Water District	8.50	20.00	69	32	3	0	23	140	3207	2063	2830	2800	1637	704	13430
West Side Irrigation District	14.79		0	0	0	0	0	0	0	0	232	396	0	0	628
Santa Barbara Irrigation District	20.42		0	0	0	0	0	0	815	0	421	459	0	0	1695
Hospital Water District	18.05	30.96	163	224	251	1	1	309	3139	3359	4456	4297	1729	807	19290
West Stanislaus Irrigation District	31.31		0	0	0	0	0	0	0	1658	6869	7041	442	0	16000
Fern Canon Water District	31.31	35.18	84	19	8	0	0	203	1272	1182	1778	1043	442	288	6319
Del Puerto Water District	35.73	42.08	190	23	0	0	10	305	1173	1923	2534	1665	1202	325	9350
Patterson Water District	42.51		50	32	0	0	0	257	594	573	639	473	327	134	3080
Salado Water District	42.10	48.83	9	0	0	1	0	75	568	1288	1336	451	142	26	3990
Sunflower Water District	44.23	52.02	132	177	1	0	11	213	1223	1553	2044	1332	689	371	7476
Orestimba Water District	46.83	51.50	0	63	0	1	0	238	1789	2105	2129	1434	488	214	8431
Foothill Water District	51.65	57.46	1	1	0	0	0	28	333	718	988	751	358	11	3749
Davis Water District	54.01	56.82	0	0	0	0	0	3	632	769	697	348	33	105	2884
Mustang Water District	56.83	62.67	0	0	0	0	0	0	417	1259	1556	655	332	71	4290
Quinto Water District	63.96	67.55	0	0	0	0	0	3	542	403	567	457	303	121	2396
Romero Water District	66.70	68.03	0	0	0	0	0	0	286	342	284	502	181	6	1601
San Luis Water District	69.21	90.57	3	2	1	1	1	1	1692	2506	3115	3283	1311	474	12390
Grassland Water District (a)	Pool		4750	0	0	0	0	0	0	0	0	0	10800	15860	31410
Grassland Water District	70.00		3283	650	0	0	0	0	0	0	0	0	4329	7426	15688
State Fish and Game	70.00		0	0	0	0	0	0	0	0	0	0	250	250	500
Panoche Water District	93.25		1230	0	440	3439	3902	771	7073	8513	10540	7573	1692	2940	48620
Eagle Field Water District	94.25		0	0	0	0	0	37	385	366	395	420	227	1	1831
West Side Golf Association	95.45		4	1	0	1	1	2	12	20	2	40	14	13	110
Pyro Loma Water District	96.62		0	0	0	0	0	66	832	503	648	589	44	477	2860
Mercy Springs Water District (a)	Pool		0	0	0	0	0	0	0	0	383	177	0	0	560
Mercy Springs Water District	97.70	97.85	0	0	0	0	0	0	0	0	561	569	174	0	1304
Widren Water District	102.03		0	0	0	0	0	0	262	177	151	217	51	0	858
Broadview Water District	102.95		374	639	0	0	48	90	2410	2662	2840	2942	881	634	14520
Total			11940	1863	704	3444	3997	2741	29280	34440	43190	39870	28380	32300	235800

TABLE 94

DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS* (continued)

November 1957 through October 1958

Water User	Mile Post from Canal Head		Monthly Deliveries in Acre-Feet											Total
	From	To	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
								Madera Canal						
Madera Irrigation District	0.10	33.62	0	0	0	0	1613	3739	11860	22190	32780	31090	19850	4911	124700
Adobe Ranch	20.6		50	14	0	0	0	0	0	0	0	0	5	82	151
Chowchilla Water District	35.6		0	0	0	0	1690	4326	15010	28560	31250	27820	14000	103	122800
Total			50	14	0	0	3303	8065	26870	50750	64030	58910	33850	4996	247900
								Friant-Kern Canal						
Fresno County Water District 18	0		1	0	0	0	0	3	7	9	14	14	7	5	60
International Water District	14.9		0	0	0	0	0	0	150	79	200	159	174	137	899
Round Mountain Ranch	20.2		2	0	0	0	0	0	7	16	13	18	15	18	89
Round Mountain Water District	20.85	21.33	0	0	0	0	0	0	0	7	42	42	40	28	159
Consolidated Irrigation District	28.50		0	0	0	10000	6615	1708	0	0	9491	2196	0	0	30000
Last Chance Water Ditch Company	28.50		0	0	0	3000	6194	115	0	0	4661	7224	0	0	21190
Pacific Gas and Electric Company	28.50		0	0	0	0	0	0	0	0	5720	0	31050	6109	42880
Tulare Lake Basin Water Service District	28.50	& 95.04	0	0	3303	5750	7000	0	0	0	6176	21440	3408	1004	48080
Alta Irrigation District	28.50		0	0	0	0	0	0	0	0	3122	12610	1265	0	17000
Fresno Irrigation District	28.50		0	0	0	7500	0	0	0	0	0	0	0	0	7500
Kings County Water District	28.50	71.29	0	0	0	10000	6409	0	0	2398	3035	0	0	0	21840
Fresno County Sportsman's Club	35.58		0	0	0	0	0	0	0	0	0	0	125	0	125
Orange Cove Irrigation District	35.87	53.31	198	0	0	0	0	161	3233	4352	5820	5043	2967	1492	23870
City of Orange Cove	43.44		5	0	0	0	0	3	21	25	26	28	19	17	144
Stone Corral Irrigation District	56.90	64.40	13	0	0	0	0	125	902	1214	1862	1954	692	216	6978
Ivanhoe Irrigation District	65.04	68.13	284	0	387	528	2842	3013	3624	3301	1579	887	190	0	16640
Tulare Irrigation District	68.14	71.29	0	0	0	9001	10650	0	0	8622	46370	42920	23860	10550	152000
Kaweah-Delta Water Conservation District	69.08	71.29	0	0	0	25290	1470	0	3735	13830	966	0	0	0	45290
Exeter Irrigation District	72.52	79.24	450	0	0	301	270	361	4175	5359	5609	5098	2481	1654	25760
Lindsay-Strathmore Irrigation District	85.56		780	0	0	40	38	184	3259	4138	4701	4869	3495	3031	b 24540
Lindmore Irrigation District	90.17	91.12	752	0	0	339	95	294	5949	8737	10030	9348	5159	2922	43620
Porterville Irrigation District	93.93	98.62	18	0	0	141	0	63	385	855	1434	1569	801	490	5756
Lower Tule Irrigation District	95.67	98.62	0	0	0	6093	9660	5588	12180	38860	53770	51950	31250	12230	221600
Saucelito Irrigation District	98.62	107.37	54	0	0	317	143	186	2680	5954	7579	8099	2908	2583	30500
Ducor Community Service District	101.60		0	0	0	0	0	4	38	32	58	20	32	32	216
Terra Bella Irrigation District	102.65		38	0	0	0	0	0	411	678	1392	1547	1131	756	5953
Pixley Irrigation District	102.69		0	0	0	0	0	0	579	2247	4533	6091	5649	3961	23160
Delano-Earlimart Irrigation District	109.48	118.45	4542	1055	0	1930	2408	5966	19970	29840	33070	28350	11430	7853	146400
Alpaugh Irrigation District	112.90		0	0	0	0	0	0	0	0	514	1168	1297	0	2979
Tagus Ditch Water District	117.96		38	0	0	149	0	186	565	871	1174	1093	649	559	5284
Southern San Joaquin Municipal Utility District	117.44	127.97	1817	190	0	63	147	4169	14210	20460	25490	21650	7222	4140	99560
Shafter-Wasco Irrigation District	134.42	137.17	131	5	0	15	250	619	1714	6179	8585	8753	3021	1341	30610
Pacific Gas and Electric Company	150.83		0	440	77	280	248	0	379	547	357	607	155	0	3090
Arvin-Edison Water Service District	151.80		0	0	0	0	0	500	500	1002	0	1006	0	0	3008
Buena Vista Water Service District	151.80		0	0	0	0	15010	4924	10970	11440	2805	7196	0	0	52340
County of Kern	151.80		0	0	0	0	0	7006	0	0	0	0	0	0	7006
Total			9123	1690	3767	90740	69450	35170	89640	171100	250300	253500	140500	61130	1166000

* Data furnished by U. S. Bureau of Reclamation and rounded according to criteria applied by the department.
a Delta-Mendota Canal. Water delivered via Delta-Mendota Pool.
b Includes water transported from Matchumne Ditch.

TABLE 399

DESCRIPTION OF SALINITY OBSERVATION STATIONS

1957-58 Water Year

Station	Miles from Golden Gate (a)	Time Interval (b)		Location
		Hours	Min.	
				SAN FRANCISCO, SAN PABLO, AND SUISUN BAYS
Point Orient	12.3	2	20	At Point Orient on northeast shore of San Francisco Bay, one-half mile south of San Pablo Point, at wharf of Standard Oil Company.
Point Pinole	19.0	2	50	At Pinole Point on southeast shore of San Pablo Bay, at wharf of Atlas Powder Company.
Grand View	25.2	3	15	At mouth of Petaluma Creek on northwest shore of San Pablo Bay, at highway drawbridge.
Crockett	27.7	3	30	At west end of Carquinez Strait, south shore, 0.2 mile east of Carquinez Bridge, at wharf of C. and H. Sugar Refining Corporation.
Benicia	32.5	3	50	At east end of Carquinez Strait, north shore, at wharf of U. S. Army Arsenal at Benicia.
Martinez	32.7	3	50	At east end of Carquinez Strait, south shore, at Municipal Ferry slip at Martinez.
West Suisun	37.0	4	10	On northwest shore of Suisun Bay, 2.6 miles northeast of Southern Pacific Company railroad bridge, at Reserve Fleet mooring pier of U. S. Maritime Commission.
Innisfail Ferry	47.3	4	50	On Montezuma Slough, 0.7 mile east of junction with Cutoff Slough, at Grizzly Island Ferry crossing at Beldons Landing.
Port Chicago	41.0	4	20	On south shore of Suisun Bay, at U. S. Navy Ammunition Depot wharf at Port Chicago.
Spoonbill Creek	46.5	4	40	On Spoonbill Creek, between Honker Bay and Sacramento River, at Sacramento Northern Railroad bridge.
Pittsburg	48.0	5	00	On left bank of New York Slough at mouth, at east end of Suisun Bay, at Pittsburg Yacht Harbor.
				SACRAMENTO RIVER DELTA
Collinsville	50.8	5	25	On right bank of Sacramento River, at Collinsville.
Emmaton	57.6	5	45	On left bank of Sacramento River, 5.9 miles below Rio Vista, at mouth of Horseshoe Bend.
Threemile Slough Bridge	60.0	5	55	At junction of Threemile Slough and Sacramento River, at highway bridge.
Rio Vista Bridge	63.5	6	05	On right bank of Sacramento River, at Rio Vista, at highway bridge.
Isleton Bridge	68.7	6	30	On Sacramento River, one mile above Isleton, at highway bridge.
				SAN JOAQUIN RIVER DELTA
Antioch	54.9	5	55	On left bank of San Joaquin River, at Antioch Water Works pumping plant.
Antioch Bridge	58.2	6	10	On left bank of San Joaquin River, three miles east of Antioch, at Antioch Bridge.
Jersey Island	61.4	6	20	On left bank of San Joaquin River, one mile below mouth of False River.
Threemile Slough	64.2	6	30	At junction of Threemile Slough and San Joaquin River.
Oulton Point	67.2	6	40	On right bank of San Joaquin River, three miles above junction with Threemile Slough.
San Andreas Landing	70.3	6	55	On right bank of San Joaquin River, one mile below mouth of Mokelumne River.
Opposite Central Landing	72.0	7	00	On right bank of Mokelumne River, on Andrus Island, directly opposite Central Landing on Bouldin Island.
Dutch Slough	73.0	7	05	On Dutch Slough at Bethel Island Bridge.
East Contra Costa I. D.	86.7	8	20	At west end of intake canal from Indian Slough, at East Contra Costa Irrigation District pumping plant.
Clifton Court Ferry	94.2	9	10	On Old River, 0.2 mile above junction with West Canal, at Clifton Court Ferry crossing.
Mossdale Bridge	108.5	10	50	On San Joaquin River, three miles southwest of Lathrop, at Mossdale highway bridge.
Vernalis	127.0	11	00	On San Joaquin River, three miles northeast of Vernalis, at Durham Ferry Road bridge. Station located above tidal action.

a Mileage measured along main channel to station. For stations off the main channel, the mileage shown is the same distance along the main channel to a point whereon the time of occurrence of tidal phases is the same as that of the observation station.
b Time interval between high-high tide at Golden Gate and time for taking samples at station.

TABLE 400

MAXIMUM OBSERVED SALINITY AT BAY AND DELTA STATIONS

In parts of chloride per million parts of water

Station (a)	Water Year											
	1931	1938	1939	1944 b	1947	1952	1953	1954	1955	1956 c	1957	1958
Sacramento-San Joaquin System Unimpaired Runoff in per cent of average (d)	33	184	48	61	59	164	104	92	62	171	80	163
					San Francisco, San Pablo, and Suisun Bays							
Point Orient	18700	17000	19200	17300	18800	17700	16900	19320	20000	18300	19100	e
Point Pinole					16800	15500	14200	15600	19000	16200	17300	13800
Grand View	18700			14900	18000	14000	14000	15500	16700	16400	16400	14200
Crockett					17900	13500	14300	16000	16600	15300	15100	11900
Benicia				13900	15100	11800	12000	14000	15100	12400	13900	12100
Martinez	16900	11600	16400		13400	9800	10500	11800	11000	11900	9570	6350
West Suisun					13500	8000	9940	12800	12600	11200	11800	7520
Innisfail Ferry	14000	7000	13600	7900	8200	3700	4300	6900	5780	5200	6050	3040
Fort Chicago					12400	8100	8940	10900	12500	9750	10200	5830
Spoonbill Creek	13900	5000	12400	7300	6100	2800	3640	5670	6400	4040	3920	930
Pittsburg					5000	1100	2180	4580	7800	3440	3050	1200
					Sacramento River Delta							
Collinsville	12600	3300	10400	4700	4500	1300	2200	4520	3880	2280	2690	550
Emmaton	10000	e	5800					1380	1080	158	452	29
Threemile Slough Bridge	8600	400	5900	1610	1250	175	155	818	635	56	277	18
Rio Vista Bridge	7400	e	4050	550	260	175	26	126	158	21	20	17
Isleton Bridge	6350		2600	50	50	125	34	28	23	17	14	14
					San Joaquin River Delta							
Antioch	12400	2400	9200	4000	4700	600	1440	3430	3320	1270	1850	184
Antioch Bridge					3300	e	360	1970	2360	160	1630	122
Jersey Island	9100	420	5000	1640	1680		486	1480	1130	152	602	52
Threemile Slough							82	960	428	82	180	45
Oulton Point							65	395	376	105	186	44
San Andreas Landing							61	123	98	66	51	46
Opposite Central Landing	4250	100	1380	200	200	250	44	75	36	96	40	17
Dutch Slough	5100	250	2250	690	840	100	114	688	454	107	250	110
East Contra Costa I. D.	1800		320	140	210	190	152	196	200	173	551	333
Clifton Court Ferry	1300		190		160		122	160	124	146	146	126
Mossdale Bridge	150	120	160	130	180	130	194	209	224	206	205	219
Vernalis (f)	110				160	121	205	198	231	202	182	146

a For location see salinity observation stations description table.
b Releases of stored water from Shasta Lake commenced in 1944.
c Releases of stored water from Folsom Reservoir commenced in 1956.
d Average unimpaired runoff computed from summations of unimpaired runoff at foothill stations on major tributaries for the 50-year period October 1905 through September 1955.
e Record incomplete.
f Station located above tidal action.

TABLE 401

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

Station	October 1957							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole			13800		10100	10900		
Grand View	14200	a 14000	13200	f 11100	11700		11300	11000
Crockett	10800	9920	10100	8100	b 7700			
Benicia	8290	7000	7600	5850	4400	5900	5870	4120
Martinez		6120	5040	a 4330	3730	a 3580	b 2970	2430
West Suisun	6080	4760	4280	3580			2210	
Innisfail Ferry	3040	b 2830	2330	c 2270		1400	1120	1470
Port Chicago	4960	3970	4790	b 4080	1500	3100	2750	
Spoonbill Creek	800	360	930	571				
Pittsburg	c 317				f 42	f 100	b,f 41	32
			Sacramento River Delta					
Collinsville	b 220	57	69		3	22	b 24	35
Emmaton	f 10	11	11	9	9	b 9	9	10
Threemile Slough Bridge	f 12	11		11	10	12	10	8
Rio Vista Bridge	f 8	8	8	6	4	13	6	6
Isleton Bridge	f 6	13	4	8	7	8	7	7
			San Joaquin River Delta					
Antioch	c 124	101	97	b 68	31	32	28	26
Antioch Bridge	f 122	79	78	62	5	29	29	23
Jersey Island	b 30			b 24		22		
Threemile Slough	b 15	16	17	b 14	6		18	16
Oulton Point	b 16	20	22	b,f 17	7	18	19	21
San Andreas Landing							b 23	24
Opposite Central Landing	b 8	c 10		b 8	7	12	b 9	9
Dutch Slough	b 38	c 36	b 34	b 33	8	32	33	34
East Contra Costa I. D.	f 71	83	b 82	b 55	65	69	b 75	85
Clifton Court Ferry								
Mossdale Bridge	c 95	b 94	b 100	b 70	10	b 83	b 83	88
Vernalis (h)	e 104	d 123	d 108	g 68	11	86		87

Station	November 1957							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole		11800		10500	10300	11000		
Grand View	11130	10500	10700		9600	10200		9750
Crockett			8250	8760		8490		
Benicia	7300	7010	5850	5170		6710	5000	6310
Martinez	4250	4250	5480	4040	2060	4470	b 2500	3360
West Suisun			4550				1820	
Innisfail Ferry		1420		b 1560			b 1140	
Port Chicago		3190	3950	2390	1800	a 2400		e 2400
Spoonbill Creek								
Pittsburg	48	144	1200	f 72	f 36	f 75	b,f 34	109
			Sacramento River Delta					
Collinsville	25	16	b 20	45	20	26	c 19	25
Emmaton	8	11	b 9	11	15	11	b 11	8
Threemile Slough Bridge	8	11	18	8	9	12	8	
Rio Vista Bridge	8	7	6	6	5	7	9	5
Isleton Bridge	6	6	5	6	5	6	7	5
			San Joaquin River Delta					
Antioch	26	28	36	40	29	28	b 31	27
Antioch Bridge	25	23	33	30		29	25	
Jersey Island				g 27	30	26	b 26	
Threemile Slough	17	18	19	25	25		26	20
Oulton Point	19	b 21	20	24	a 25	18	21	22
San Andreas Landing	23	22	b 27	26	24	27	b 29	25
Opposite Central Landing	17	12	b 9	12	11	b 9	b 8	
Dutch Slough	31	36	37	38	42	b 48	a 44	a 47
East Contra Costa I. D.	89	94	b,f 108	110	115	b 122	b 118	116
Clifton Court Ferry								
Mossdale Bridge	80	b 92	b 65	59	70	b 67	b 77	76
Vernalis (h)		84	g 77	f 64	f 71			75

* Samples taken at four-day intervals approximately one and one-half hours after high-high tide.
a Presumed.
b Taken after low-high tide.
c Taken over one hour off scheduled time.
d Taken two days earlier.
e Taken on preceding day.
f Taken on following day.
g Taken two days later.
h Station located above tidal action.

TABLE 401

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

Station	December 1957							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole	10700	13100	10900	11400				7790
Grand View	9470					9100	8840	8040
Crockett		9470	9250	10700	f 9080	6700	b 3940	
Benicia	7750	8450	3770	7060	8160	c 12100	2760	5180
Martinez	5470	5100	5530	4940	6350	2400	b 999	
West Suisun			3940		5700	1180	706	
Innisfail Ferry		1450	1510	1640			c 1330	1130
Port Chicago	4600		3250	3770		904	208	3090
Spoonbill Creek				611	631	38	11	235
Pittsburg	a 209	230	140	f 475	698	f 34	f 24	17
			Sacramento River Delta					
Collinsville	18	23		42	216	c 12	11	9
Emmaton	7	b 7	b 10	11	12	b 11	8	9
Threemile Slough Bridge	7	10	7	6	14	6	13	13
Rio Vista Bridge	5	8	7	c 10	8	6	8	5
Isleton Bridge	6	6	7	6	5	4	5	4
			San Joaquin River Delta					
Antioch	27	67	66	76	83	40	29	26
Antioch Bridge	26	40	c,f 47		70	37	27	23
Jersey Island			b 29					
Threemile Slough	17	23	b 17	13	c 17	23	22	22
Oulton Point	f 23	b 25	b 24	c 26	26	22	17	c 23
San Andreas Landing	27	31	b 21	27	25	23	19	16
Opposite Central Landing	12	c 13	b 7	7	14	6	2	3
Dutch Slough		c 51	b 51	49	49	51	55	58
East Contra Costa I. D.	113	b 109	b,f 103	99	103	113	116	119
Clifton Court Ferry								
Mossdale Bridge	b 78	b 64	b 70	66	b 78	b 73	69	91
Vernalis (h)	f 74			e 66	e 80	g 79	c,f 91	

Station	January 1958							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole	10400		9420	8520		8470		
Grand View	6630	7390	7150	7160	7060	6810	5890	4240
Crockett	8200	6660	8000	5220	5940	5090	6300	3680
Benicia				4240	4830		4940	2270
Martinez	3400	2680	3690	1600	2590	1150	3440	2360
West Suisun	4120	1060	1220	840		188	e 988	
Innisfail Ferry	1160		832	860	802	1050	985	
Port Chicago	b 3670	1180		1050	837	b 129	2590	715
Spoonbill Creek	410	26	22	36				
Pittsburg	31	15	17	f 32	29	b,f 28	26	63
			Sacramento River Delta					
Collinsville	17	5	17	14	16	17	19	16
Emmaton	b 10	b 6	10	9	15	b 13	b 14	20
Threemile Slough Bridge	c 7	3	9	14	11	8	18	8
Rio Vista Bridge	4	4	5	10	8	8	13	9
Isleton Bridge	3	2	4	7	6	6	8	9
			San Joaquin River Delta					
Antioch	27	27	26	34	34	35	35	44
Antioch Bridge		23	36	32	31	32	38	42
Jersey Island	33		36					
Threemile Slough	26	19	25	34	15	b 21	30	32
Oulton Point	16	b 27	26	28	b 37	40	36	36
San Andreas Landing	27	21	15	32	34	40	13	13
Opposite Central Landing	14	b 6	8	7	10	b 10	15	9
Dutch Slough	60	b 64	63	77	77	b 99	77	110
East Contra Costa I. D.	127	119	150	162	b 157	b 154	170	333
Clifton Court Ferry		b 91	126		b,c 75	b 92		
Mossdale Bridge	b 77	b 115	106	96	b 75	b 95	82	122
Vernalis (h)	f 119				e 76	e 89	f 146	f 124

* Samples taken at four-day intervals approximately one and one-half hours after high-high tide.

a Presumed.
b Taken after low-high tide.
c Taken over one hour off scheduled time.
d Taken two days earlier.
e Taken on preceding day.
f Taken on following day.
g Taken two days later.
h Station located above tidal action.

TABLE 401

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

Station	February 1958							
	2	6	10	14	18	22	26	
	San Francisco, San Pablo, and Suisun Bays							
Point Orient								
Point Pinole		3380		2450	c 2990			
Grand View	c 3580	1670	539	490	1620	394	286	
Crockett	4850	3190		745	510	100	33	
Benicia	2700	78	49	98	34	70	29	
Martinez	74	74	54	44	44	b 39	38	
West Suisun	260			c 132	74	92		
Innisfail Ferry	701	554	230	201	167	b 105	b 90	
Port Chicago	573	59		93	31	35	33	
Spoonbill Creek	22	14	11	10	8	6		
Pittsburg	37	39	18	f 16	12	f 19		
	Sacramento River Delta							
Collinsville	13	15	18	c 8	9	5	10	
Emmaton	15	b 11	7	b 15	b 8	b 4	b,f 5	
Threemile Slough Bridge	9	8	5	6	6	4	8	
Rio Vista Bridge	9	9	8	9	8	5	8	
Isleton Bridge	6	7	13	4	5	4	11	
	San Joaquin River Delta							
Antioch	45	47	43	40	38	17	33	
Antioch Bridge	41	32	35	33	27	20	18	
Jersey Island	52	b,f 48	44					
Threemile Slough	45	31		25			17	
Oulton Point	b 37	b 35	b,c 25	21	c 21	22	35	
San Andreas Landing	27	25	20	9	19	10	10	
Opposite Central Landing	9	b 9	8	8	8	7	8	
Dutch Slough	103	b 107	106	98	96	78	102	
East Contra Costa I. D.	f 165	b 151	143	140	b,f 131	97	110	
Clifton Court Ferry		b 80	64		b 74			
Mossdale Bridge	b 69	b 39		b 59	b 88	35	47	
Vernalis (h)	g 71	c 41	c,f 61			e 34	c,g 57	

Station	March 1958							
	2	6	10	14	18	22	26	30
	San Francisco, San Pablo, and Suisun Bays							
Point Orient								
Point Pinole				5780				
Grand View	385	636	956	1570	1810	2250	1940	
Crockett		333	b 843	f 4120	1760	3680	b 686	784
Benicia	48	44	162	784	539	1230	245	191
Martinez	29	34	59	931	637	b 69	54	113
West Suisun	63		49	64	59	44	132	88
Innisfail Ferry	115	156	211	230	b 245	a,b 245	b 162	b 157
Port Chicago	34	34	34	39	44	44	49	24
Spoonbill Creek	20							
Pittsburg		31	29	44	34		29	15
	Sacramento River Delta							
Collinsville	8	11	16	15	25	b 22	15	16
Emmaton	6	7	10	16	b,c 13	14	6	12
Threemile Slough Bridge	6	6	10	7	10	9	4	14
Rio Vista Bridge	7	9	9	11	17	16	12	8
Isleton Bridge	6	6	7	6	7	8	5	5
	San Joaquin River Delta							
Antioch	31	41	36	30	a 39	48	34	f 30
Antioch Bridge	25	27	33	34	a 31	37	26	24
Jersey Island								
Threemile Slough	14	24	17	c 19	21	b 27	5	24
Oulton Point	44	b 29	24	f 24	b 36	35	41	37
San Andreas Landing	23	19	10	17	46	b,c 17	13	19
Opposite Central Landing	8	b 9	8	7	6	b,c 10	4	8
Dutch Slough	87	b 92	80	73	74	70	58	46
East Contra Costa I. D.	131	b 101	63	87	b,f 88	f 55	47	45
Clifton Court Ferry	b 52	b 55	112		30		20	
Mossdale Bridge	b 36	44	44	60	b 25	20	17	30
Vernalis (h)			c 45	c 52	20		e 17	

* Samples taken at four-day intervals approximately one and one-half hours after high-high tide.

a Presumed.
b Taken after low-high tide.
c Taken over one hour off scheduled time.
d Taken two days earlier.
e Taken on preceding day.
f Taken on following day.
g Taken two days later.
h Station located above tidal action.

TABLE 401

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

Station	April 1958							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole	b 5490			b 1910	b 2650			b 7190
Grand View	1420	686	343	e 441	686	2160	3770	e 4450
Crockett	637	b,f 29	b,f 93		b,f 343	b 735		
Benicia	34	39	39	34	108	603	441	c 2620
Martinez	b 24	b 27	35	b 27	b 33	b 34	198	b 308
West Suisun	29	20		37	47	44	59	86
Innisfail Ferry	b 118		125	125	118	167	b 172	b 159
Port Chicago	29	12	20	18	a 20	24	20	20
Spoonbill Creek	16	14						
Pittsburg	b 20	27	25		b 25	b 24	14	b 15
			Sacramento River Delta					
Collinsville		b 10	10	b 9	b 13	11	11	b 14
Emmaton	b 6	4	6	b 12	29	b 13	10	b 10
Threemile Slough Bridge	7	2	5	18	8	11	9	5
Rio Vista Bridge	8	6	9	10	6	8	9	3
Isleton Bridge		2	5	6	7	7	7	4
			San Joaquin River Delta					
Antioch	b 26	24	24	b 28	29	26	25	23
Antioch Bridge	24	13	b,f 18	20	24	24		25
Jersey Island								
Threemile Slough	b 13		20	b 18		19		c 10
Oulton Point	22	15	27	b 37	29	20	28	20
San Andreas Landing	b 22	b 8	8	b 9	b 22	b 24	24	b 18
Opposite Central Landing	b 4	4	6	b 8	b 7	5	14	b 4
Dutch Slough	b 41	41	38		36	43	32	c 34
East Contra Costa I. D.	f 56	48	35	b 38	b 42	f 34	34	49
Clifton Court Ferry	30			29	31	29		21
Mossdale Bridge	20	61	20	22	24	22	24	20
Vernalis (h)	g 19		f 22	f 24				

Station	May 1958							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole				b 4960			b 5040	
Grand View	4720	4830	4610		4890	5760	5740	e 4580
Crockett			1570	e 3590				
Benicia	2260	1880	1640	3320	2440	490	1640	2010
Martinez	b 39	b 42	b 322	b 122	b 198	b 110	b 103	b 159
West Suisun		413	59	1460	588	98	34	
Innisfail Ferry	b 144	162	b 173	95	96	b 66	49	b 42
Port Chicago	e 28	23	20			16	15	19
Spoonbill Creek								
Pittsburg		20			b 14	14		b 12
			Sacramento River Delta					
Collinsville	b 7	11		b 12		9		b 7
Emmaton	10	8	b 12	b 9	8	9	a,b 6	b 7
Threemile Slough Bridge	8	7	f 12	9	6	7	f 9	d 7
Rio Vista Bridge	6	5	f 5	5	6	5	f 6	4
Isleton Bridge	4	4	f 4	5	5	a 3	f 5	4
			San Joaquin River Delta					
Antioch	a,b 22	b 20	b 20	b 17	b 17	b 16	b 14	b 11
Antioch Bridge	22	20	f 18			14	f 3	12
Jersey Island						15		
Threemile Slough	b 16	18		b 16		12	b 11	b 8
Oulton Point	17	19	b 18	b 15	b,c 14	b 14	b 14	a,b 11
San Andreas Landing	b 17	b 19	b 15	b 13	b 15	14	b 6	b 9
Opposite Central Landing	b 6	6	b 6	b 5	b 5	5		b 6
Dutch Slough	a,c 31	31	25	25	a 26	b 20	c 15	c 16
East Contra Costa I. D.	b 52	44	b 40	30	20	27	b 25	b 25
Clifton Court Ferry	20	20		15		11		
Mossdale Bridge	20	15	b 15	15	13	10	b 9	a 13
Vernalis (h)	c 18	c 16	c,e 16	e 16	a,d 14	f 11		

* Samples taken at four-day intervals approximately one and one-half hours after high-high tide.

a Presumed.
b Taken after low-high tide.
c Taken over one hour off scheduled time.
d Taken two days earlier.
e Taken on preceding day.
f Taken on following day.
g Taken two days later.
h Station located above tidal action.

TABLE 401

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

Station	June 1958							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole	b 4560		b 4220		b 6780			b 7220
Grand View	5290	4690	5000	5480	5750	8650		a 6440
Crockett			4230		b 3140		b 5070	5800
Benicia	1630	a 201	1700	3360	3190	2020		5020
Martinez	b 93	b 45	b 702	b 544	a,b 515		b 305	b 964
West Suisun	39	37		597				4410
Innisfail Ferry		67	a,c 58	60	61			
Port Chicago		18	23		53	28		
Spoonbill Creek			13					
Pittsburg	b 11	14			b 11		b 14	b 17
			Sacramento River Delta					
Collinsville	b 7	9		b 10	10	b 8		b 10
Emmaton	7	b 8	b 10	b 8	b 8	7		b 10
Threemile Slough Bridge	7	10	f 12	7	7	5	7	14
Rio Vista Bridge	5	10	f 8	7	11	7		7
Isleton Bridge	3	6	f 5	4	14	5		7
			San Joaquin River Delta					
Antioch	b 13	13	b 16	b 13	b 16			b 19
Antioch Bridge	11	12	a,f 14	a 12	14			18
Jersey Island								
Threemile Slough	b 9	10	b 10	b 12	b 11			b 14
Oulton Point	18	16	b 26	b 12	12	b 12		14
San Andreas Landing	b 11	12	b 8	b 13	b 14	b 11		b 14
Opposite Central Landing	5	5	b 6	b 5				b 7
Dutch Slough	b 16	a 17	a,b 18	20	b,c 16			b 21
East Contra Costa I. D.	25	22	b 20	c 20	36	b 29		21
Clifton Court Ferry		c 17		c 11	23			
Mossdale Bridge	13	11	b 17	b 20	25	b 10		19
Vernalis (h)	f 12	c 12	c 16		g 22			

Station	July 1958							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient				b,c 10900				
Point Pinole	b 8700		b 9852					b 12800
Grand View	7320	7870	7192	6990	8420	8750	8920	9530
Crockett	a 5950	e 6222	a 6490	8840	9040	11000	a 11500	a 9990
Benicia	5510	4330	6497	6800	7380	8200	9700	7920
Martinez	b 1420	709	b 2217	b 3490	b 2820	b 3370	b 3480	b 3720
West Suisun		2450	4877	4880		6320	f 7520	6060
Innisfail Ferry	b 72	65	79	a 334	b 486	703		b 849
Port Chicago		b 1230	f 2685	5620		4650	a,f 5370	5000
Spoonbill Creek	17	33	52	97	207	363	f 363	448
Pittsburg		b 19	b,c 29		b 154	b 240	b 191	
			Sacramento River Delta					
Collinsville	b 11	b 14		b,c 16	196	b 50	b 61	b 220
Emmaton	b 9	b 10	b 10	b 11	b 11	b 12	b 12	20
Threemile Slough Bridge	9	10	f 10	12	11	12	f 14	15
Rio Vista Bridge	8	8	f 7	12	11	9	f 10	10
Isleton Bridge	6	7	f 10	9	10	10	f 10	9
			San Joaquin River Delta					
Antioch	b 20	b 20	b 20	b 28	b 51	b 69	b 62	b 79
Antioch Bridge	c 17	c 17	f 16	b 20	41	c 46	c,f 50	
Jersey Island			b 14		b 23			
Threemile Slough	b 14		b 14	b 13	b 14	b 14		b 14
Oulton Point	15	b 15	b 14	b 14	14	b 14	b 15	15
San Andreas Landing		b 23	b 12	b 14	b 15	b 14	b 14	b 19
Opposite Central Landing	13	b 9	b 9	b 9	13	b 10	b 8	b 11
Dutch Slough	a 20	b 19	a,b,c 20	a,b 23	a 22	a,b,c 19	a,b 20	10
East Contra Costa I. D.	23	29	b 40	b 48	f 36	b,c,f 44	f 31	29
Clifton Court Ferry	17	b 47						27
Mossdale Bridge	20	b 49	b 51	63	83	b 98	b,c 219	106
Vernalis (h)	c,e 22	g 32			c 87	107	116	c,e 41

* Samples taken at four-day intervals approximately one and one-half hours after high-high tide.

a Presumed.
b Taken after low-high tide.
c Taken over one hour off scheduled time.
d Taken two days earlier.
e Taken on preceding day.
f Taken on following day.
g Taken two days later.
h Station located above tidal action.

TABLE 401

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

Station	August 1958							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole				b 13400			b 12800	
Grand View	9620	9980		10400	10500	a 10800	e 11200	a,c 10900
Crockett	a 10700	8820	9570			11900	9710	
Benicia	8390	8130	9050	9100	8590	8800	8800	7630
Martinez	b 4260	b 3910	b 4070	b 4110	4660	b 4000	a,b 3820	b 4450
West Suisun		5370	6230	7520	6930	6480	6880	4730
Innisfail Ferry	1150	b,c 965	f 1230	b 1380	1550	1780	b 1720	b 1750
Port Chicago		c 2620	f 4980	5830	5550	5430	4900	
Spoonbill Creek	524							
Pittsburg	a,b,c 242		b 297	b 310	b 740	b 578	b 350	b 397
			Sacramento River Delta					
Collinsville	376	b 100	b 137		b 550	b 282	b 214	
Emmaton	b 13	29	b 12	b 14	b,f 15	16	b 14	15
Threemile Slough Bridge	17	11	f 13	14	14	14	16	12
Rio Vista Bridge	12	11	f 10	9	10	10	11	10
Isleton Bridge	9	8	f 7	10	10	f 10	10	11
			San Joaquin River Delta					
Antioch	143	137	b 82	b 148	90	b 96	b 130	184
Antioch Bridge						c 44	b,c 85	c 112
Jersey Island								
Threemile Slough		b 14	b 16	b 14	14		b 15	b 13
Oulton Point	10	b 13	b 13	15	b 16	b 13	b 15	b 15
San Andreas Landing	b 13	12	b 12	b 12	12		b 12	b 12
Opposite Central Landing	11	b 8	b 9	b 11	b 10		b 10	11
Dutch Slough	b,c 20	a,b 20	a,b 22	b 23	b 23		27	b 24
East Contra Costa I. D.	27	b 38	f 27	24	30	f 27	b 39	50
Clifton Court Ferry				25	b 24		26	
Mossdale Bridge	27	b 120	b 123	127	b 120	b 122	120	122
Vernalis (h)		b,c 131	e 120	d 121	d 129	e 124		

Station	September 1958							
	2	6	10	14	18	22	26	30
			San Francisco, San Pablo, and Suisun Bays					
Point Orient								
Point Pinole			b 12700			b 11700	11800	
Grand View	10800							
Crockett	9780	8880	e 10000	9160	8280	e 9120	8860	
Benicia	7740	7780	a,e 8950	6720	7310	7330	4580	6830
Martinez	b 3980	b 3440	b 4270	3100		b 3140	4600	
West Suisun	5150	5320	6000	5480	4940	4610	b 3750	
Innisfail Ferry	b 1680	1700	1690	1580	1250	a,b 1140	1230	
Port Chicago		4740	a 5590		3530		2940	
Spoonbill Creek	516	276						
Pittsburg	b 246		b 187	182	b 149	f 103	278	
			Sacramento River Delta					
Collinsville	b 227		b 133	45			36	b 134
Emmaton	12	b 11	b 11	b 12	b 10	b 10	10	b 10
Threemile Slough Bridge	12	12	12	11	11	f 11	10	10
Rio Vista Bridge	10	f 10	10	10	9	f 7	7	6
Isleton Bridge	8	f 10	9	12	8	f 7	8	6
			San Joaquin River Delta					
Antioch	140	94	b 54	66	97	b 72	58	82
Antioch Bridge	83		b,f 40		b,c 46	b 38		b 50
Jersey Island								
Threemile Slough		b 13	b 10	13	b 12	b 13	12	13
Oulton Point	b 14	b 13	b 13	13	b,f 13	b 13	14	18
San Andreas Landing	13	b 14	b 12	13	13	b 13	13	13
Opposite Central Landing	b 10				b 8	b 8	9	8
Dutch Slough	b 21	b 21	a,b 19	18	b 18	a,b 20	a,b,c 22	b 22
East Contra Costa I. D.	b 39	b 45	43	57	b,f 47	b 59	b 74	67
Clifton Court Ferry	24		36	b 62	b 45	a,b 41	b 42	b 40
Mossdale Bridge	b 116	b 116	96	b 75	b 84	b 78	b 69	b 71
Vernalis (h)		e 118	e 90	g 75	f 76	f 78	68	f 75

* Samples taken at four-day intervals approximately one and one-half hours after high-high tide.

a Presumed.
b Taken after low-high tide.
c Taken over one hour off scheduled time.
d Taken two days earlier.
e Taken on preceding day.
f Taken on following day.
g Taken two days later.
h Station located above tidal action.

LAHONTAN AREA

LAHONTAN AREA

Introduction

The water resources of the Lahontan Area as a whole are greatly deficient with respect to the potential development of this region; however, sufficient water resources to supply their ultimate needs do exist in a few stream basins.

Geographically, the Lahontan Area is the most extensive of the hydrographic areas. Lying along almost the entire California-Nevada border, the Lahontan Area extends from the Oregon border to the New York Mountains, within 40 miles west of the Colorado River. It includes all the drainage basins of California lying east of the Warner Mountains, the Sierra Nevada, the Tehachapi Mountains, the Portal Ridge, the San Gabriel Mountains, and the San Bernardino Mountains. It does not include areas draining into the Salton Sea and the Colorado River. All of the principal streams of the area head on the eastern slopes of the Sierra Nevada or on the San Bernardino Mountains and flow into inland lakes or sinks in California or Nevada.

Tabular Information

On the following pages are the data for 11 gaging stations for the 1958 water year.

TABLE 402

GAGING STATION DESCRIPTION AND DATA SUMMARY
LAHONTAN AREA

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
			1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC.-FT	1957 CALENDAR YR. IN AC.-FT.			PERIOD		ZERO ON GAGE	REF DATUM
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.	C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE			DISCHARGE	GAGE HEIGHT	FROM	TO		
BIDWELL CREEK NEAR FORT BIDWELL																
41 52 57	120 10 25	SE 6 46N 16E				374E	4.32	5/11/58			APR 55-OCT 57δ MAY 58-DATE	APR 55-OCT 57δ MAY 58-DATE	1958		0.00	LOCAL
Station located E of New Pine Creek-Fort Bidwell Highway, 2.0 mi. NW of Fort Bidwell. Tributary to Upper Alkali Lake. Stage-discharge relationship at times affected by ice. Drainage area is approx. 50 sq. mi.																
BLACKWOOD CREEK NEAR TAHOE CITY																
39 06 27	120 09 37	NE36 15N 16E				401E	6.50	5/23/58			JAN 58-DATE	JAN 58-DATE	1958		0.00	LOCAL
Station located below State Highway 89 bridge, 4.6 mi. S of Tahoe City. Tributery to Lake Tahoe. Stage-discharge relationship at times affected by ice. Drainage area is 11.4 sq. mi.																
CEDAR CREEK AT CEDARVILLE																
41 31 48	120 11 15	SE 6 42N 16E				41E	2.79	5/11/58			MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL
Station located below Cedarville-Alturas Highway culvert, immediately W of Cedarville. Tributary to Middle Alkali Lake. Stage-discharge relationship at times affected by ice.																
EAGLE CREEK AT EAGLEVILLE																
41 18 38	120 07 27	NE26 40N 16E				78E	3.39	6/19/58			MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL
Station located 0.7 mi. SW of Eagleville. Tributary to Middle Alkali Lake. Stage-discharge relationship at times affected by ice.																
EAGLE LAKE NEAR SUSANVILLE (Stage only)																
40 36 45	120 43 34	SW22 32N 11E		7.25	6/19/58		7.25	6/19/58				OCT 56-DATE	1956		5095.74	USGS
Station located on east shore, 14 mi. NW of Susanville. Figures listed are gage heights at 12:00 Noon to nearest 0.05 ft. Maximum gage height listed does not indicate maximum discharge.																
GOLD RUN CREEK NEAR SUSANVILLE																
40 21 26	120 42 11	SE23 29N 11E				483E	3.81	2/24/58			DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL
Station located 5.0 mi. SW of Susanville. Tributary to Honey Lake via Susan River. Stage-discharge relationship at times affected by ice. Drainage area is 7.2 sq. mi.																
LONG VALLEY CREEK NEAR DOYLE																
39 55 44	120 01 06	SE13 24N 17E				1200E	3.98	2/24/58			DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL
Station located at U. S. Highway 395 bridge, 8.1 mi. SE of Doyle. Tributary to Honey Lake. Stage-discharge relationship at times affected by ice.																

E - Estimated δ - Irrigation season only # - Flood season only

TABLE 402

GAGING STATION DESCRIPTION AND DATA SUMMARY
LAHONTAN AREA (continued)

LOCATION			MAXIMUM DISCHARGE						TOTAL DISCHARGE		PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.&M.	1957-58 WATER YEAR			OF RECORD			1957-58 WATER YR. IN AC-FT	1957 CALENDAR YR. IN AC-FT.	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE	C.F.S.	GAGE HT.	DATE								
PINE CREEK NEAR SUSANVILLE																
40 39 49	120 48 33	SE 2 32N 10E	626	4.85	4/22/58				36140		JUL 56-DATE	JUL 56-DATE	1956		0.00	LOCAL
Station located 1.8 mi. above mouth, 18 mi. NW of Susanville. Tributary to Eagle Lake. Stage-discharge relationship at times affected by ice.																
TROUT CREEK NEAR TAHOE VALLEY																
38 55 12	119 58 17	SE 3 12N 18E				244	7.91	5/23/58			DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL
Station located 15 ft. below Martin Ave. bridge, 1.8 mi. E of Tahoe Valley. Tributary to Lake Tahoe. Stage-discharge relationship at times affected by ice.																
UPPER TRUCKEE RIVER NEAR MEYERS																
38 50 35	120 01 25	SE31 12N 18E				1420E	8.70	5/23/58			DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL
Station located approx. 0.1 mi. E of State Highway 89, 1.1 mi. SW of Meyers. Tributary to Lake Tahoe. Stage-discharge relationship at times affected by ice.																
WILLOW CREEK NEAR LITCHFIELD																
40 26 36	120 26 44	SW19 30N 14E				1200	7.91	2/25/58			NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL
Station located 5.3 mi. NW of Litchfield, 11 mi. NE of Susanville. Tributary to Honey Lake. Stage-discharge relationship at times affected by ice.																

E - Estimated δ - Irrigation season only # - Flood season only

TABLE 403

DAILY MEAN DISCHARGE
BIDWELL CREEK NEAR FORT BIDWELL

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									106	45	11	6.2
2									104	40	13	6.2
3									119	36	12	6.2
4									103	32	11	6.2
5								169 E	95	31	11	6.5
6								139	97	29	10	6.2
7								137	93	28	9.9	5.9
8								134	88	26	9.9	6.9
9								141	86	24	9.9	6.5
10								185	80	23	9.4	6.2
11								295	76	22	9.4	5.9
12								241	76	22	9.0	6.5
13								164	70	21	9.0	9.4
14								141	67	20	8.3	7.9
15								134	64	20	8.3	6.9
16								134	63	20	9.0	6.9
17								146	68	22	9.0	6.5
18								197	72	20	9.0	6.2
19								222	80	20	8.3	5.9
20								200	70	19	8.3	5.9
21								191	64	18	8.3	5.9
22								203	61	18	7.9	6.5
23								218	61	20	7.6	6.9
24								203	56	19	7.2	6.5
25								191	54	16	7.2	5.9
26								188	49	16	6.9	5.6
27								174	45	14	6.9	5.6
28								148	42	14	6.5	5.3
29								134	42	13	6.5	5.3
30								123	40	13	6.5	5.3
31								117		12	6.2	
Mean									73.0	22.4	8.8	6.3
Ac-Ft.									4346	1375	540	376

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 404

DAILY MEAN DISCHARGE
CEDAR CREEK AT CEDARVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									11			
2									12			
3									27			
4								31 E	18			
5								31	13			
6								28	12			
7								27	11			
8								27	9.9			
9								27	9.9			
10								28	8.8			
11								35	8.8		1.2E	
12								33	15			
13								30	9.3	2.7E		
14								26	7.0			
15								25	5.8			
16								24	4.6			0.5E
17								24	4.2			
18								24	3.7			
19								23	4.2			
20								21	3.9E			
21								19	3.4E		0.9E	
22								19	3.2			
23								18	3.4			
24								18	3.4	1.7E		
25								17	2.6			
26								15	1.9		0.5E	
27								14	1.6			
28								13 E	1.5	1.2E		
29								13	3.7			
30								13	2.7E			
31								12				
Mean									7.6	2.3	1.0	0.5
Ac-Ft									449	143	59	30

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 405

DAILY MEAN DISCHARGE
EAGLE CREEK AT EAOLEVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									38	23	11	3.3
2									37	21	10	3.2
3									38	21	10	3.2
4									35	22	9.5	3.2
5									33	22	9.2	3.1
6									34	22	8.4	3.0
7								40 E	35	23	8.2	3.0
8								32	34	24	8.2	3.0
9								34	34	24	7.7	2.8
10								44	33	23	7.4	2.8
11								49	36	22	7.2	2.7
12								40	38	22	7.0	2.8
13								36	32	22	6.6	3.0
14								34	32	22	6.4	2.8
15								36	34	21	6.2	2.7
16								39	36	20	6.0	2.5
17								46	38	20	6.0	2.6
18								53	38	18	5.8	2.6
19								57	43	18	5.6	2.5
20								60	42	17	5.8	2.6
21								58	36	17	5.8	2.5
22								57	37	18	5.2	2.7
23								52	37	18	4.8	2.7
24								49	36	18	4.7	2.7
25								45	33	17	4.5	2.6
26								49	30	16	4.4	2.5
27								48	29	15	4.4	2.5
28								40	28	14	4.0	2.4
29								36	27	14	3.9	2.5
30								40	25	12	3.6	2.4
31								39		11	3.5	
Mean									34.6	19.3	6.5	2.8
Ac-Ft									2059	1184	399	164

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 406

DAILY MEAN DISCHAROE
PINE CREEK NEAR SUSANVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	66 E	71	321	56	2.3	0	0
2	0	0	0	0	0	47 E	50	307	53	2.1	0	0
3	0	0	0	0	0	45	41	304	52	1.8	0	0
4	0	0	0	0	0	35 E	40	299	46	1.1	0	0
5	0	0	0	0	0	36	40	296	45	0.6	0	0
6	0	0	0	0	0	37	37	280	41	0.3	0	0
7	0	0	0	0	0	37 E	40	262	35	0	0	0
8	0	0	0	0	0	34 E	46	226	31	0	0	0
9	0	0	0	0	0	40	69	187	29	0	0	0
10	0	0	0	0	0	36	110	155	26	0	0	0
11	0	0	0	0	0	30 E	158	197	30	0	0	0
12	0	0	0	0	0	33	177	313	45	0	0	0
13	0	0	0	0	0	32	190	336	67	0	0	0
14	0	0	0	0	0	34	257	274	74	0	0	0
15	0	0	0	0	0	33	302	193	59	0	0	0
16	0	0	0	0	0	34	333	158	47	0	0	0
17	0	0	0	0	0.2	32	393	138	37	0	0	0
18	0	0	0	0	23 E	34	415	127	32	0	0	0
19	0	0	0	0	68 E	39	461	117	29	0	0	0
20	0	0	0	0	146	50	548	110	25	0	0	0
21	0	0	0	0	193	74	585	110	20	0	0	0
22	0	0	0	0	230	80	611	108	17	0	0	0
23	0	0	0	0	174	92	516	112	14	0	0	0
24	0	0	0	0	245	105	390	125	12	0	0	0
25	0	0	0	0	393	94	342	122	9.1	0	0	0
26	0	0	0	0	342 E	74	330	112	6.6	0	0	0
27	0	0	0	0	141 E	61	339	101	4.6	0	0	0
28	0	0	0	0	88 E	64	344	92	3.3	0	0	0
29	0	0	0	0		64	344	78	2.5	0	0	0
30	0	0	0	0		61	339	69	2.3	0	0	0
31	0		.0	0		74		62		0	0	
Mean	0	0	0	0	73.0	51.8	264	184	31.7	0.3	0	0
Ac-Ft	0	0	0	0	4053	3187	15710	11290	1885	16	0	0

E — Estimated NR — No Record

Total Discharge in Acre-Feet 36140

TABLE 407

DAILY MEAN DISCHARGE
WILLOW CREEK NEAR LITCHFIELD

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1			24	NR	123	144	372	66	22	26	27	18
2			25	NR	95	132	343	63	23	31	27	19
3			25	NR	126	129	352	58	23	36	27	18
4			31	NR	155	114	343	56	23	36	26	19
5			35	NR	155	109	253	54	22	35	29	19
6			35	NR	128	101	204	53	22	33	27	19
7			36	NR	108	94	176	51	22	31	22	19
8			37	NR	182	90	162	49	22	31	21	20
9			35	NR	161	88	144	49	22	30	20	20
10			35	NR	120	89	128	49	23	29	20	21
11			34	NR	94	85	115	59	26	28	21	21
12			34	NR	165	82	102	70	59	28	20	20
13			34	NR	188	83	91	74	74	26	21	22
14			34	NR	135	87	82	63	52	21	22	23
15			38	NR	108	95	79	60	44	20	23	23
16			62	NR	124	135	79	57	39	21	26	24
17			84	NR	116	187	78	55	35	22	25	25
18			76	NR	99	188	82	51	33	24	23	25
19			69	NR	155	166	84	47	32	26	23	26
20		39 E	78	NR	142	159	86	44	31	25	22	30
21		36	94	NR	114	271	87	35	30	26	21	33
22		35	81	NR	98	277	89	34	29	26	22	33
23		34	66	39 E	90	215	89	32	27	27	21	34
24		39	58	41	384	159	89	28	26	37	19	32
25		39	61	46	779	130	86	29	26	28	19	32
26		39	NR	56	409	112	81	29	24	27	20	34
27		39	NR	66	267	98	78	27	23	27	20	35
28		38	NR	64	181	95	76	26	23	27	20	35
29		36	NR	120		90	75	24	23	27	19	34
30		25	NR	172		162	70	24	24	28	19	33
31			NR	168		264		23		27	19	
Mean					179	136	139	46.4	30.1	27.9	22.3	25.5
Ac-Ft.					9919	8390	8281	2854	1793	1718	1371	1519

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 408

DAILY MEAN DISCHARGE
GOLD RUN CREEK NEAR SUSANVILLE

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				3.5	4.2	11	13	32	36	11	3.2	0.9
2				3.5	4.5	10	12	43	39	10	3.0	1.0
3			2.2E	3.3E	5.4	9.5	11	49	35	10	3.0	0.9
4			2.2E	3.2	4.9	8.9	11	53	31	9.5	2.8	0.8
5			2.2E	3.0	5.6	8.6	10	64	30	8.9	2.7	0.8
6			2.2E	2.8	5.4	8.2	11	61	28	8.6	2.5	0.8
7			2.1E	2.7	6.3	9.5	12	58	26	8.6	2.2	0.8
8			2.1	2.5	8.2	7.9	13	60	25	8.2	2.2	0.8
9			1.9	2.8E	7.0	8.2	15	68	24	7.6	2.2	0.8
10			1.9E	3.2	6.1	7.9	16	68	24	7.3	2.2	0.8
11			2.7E	3.0	5.6	7.6	18	78	27	7.3	2.0	0.8
12			2.1E	3.0	15	7.6	20	61	41	7.0	1.9	0.8
13			2.0E	3.0E	10	7.3	24	51	43	7.0	1.8	0.8
14			2.0	3.0	8.2	7.6	30	50	35	6.3	1.7	0.8
15			2.2	2.7	12	7.9	32	52	32	6.1	1.6	0.8
16			11	3.0	20	7.3	36	60	29	5.9	1.6	0.8
17			7.3	2.7	16	7.3	42	67	27	6.1	1.6	0.8
18			5.4	2.8E	12	8.6	39	80	24	5.6	1.7	0.8
19			4.2	2.8E	18	9.2	39	84	22	5.4	1.6	0.8
20			4.7	2.8E	14	12	44	81	20	5.2	1.6	0.8
21			6.6	2.3E	12	18	51	75	20	4.7	1.6	0.8
22			5.4	2.8E	11	15	41	70	19	5.4	1.6	0.8
23			3.3E	2.7	10	14	29	68	18	6.3	1.5	0.8
24			3.3	2.3	152	14	23	63	16	5.2	1.5	0.8
25			3.2	2.3	68	13	21	58	15	4.7	1.4	0.8
26			3.5	2.5	26	12	22	58	15	4.0	1.2	0.8
27			3.2	2.3	16	12	22	53	13	3.8	1.1	0.8
28			4.5	3.3	13	12	23	50	13	3.8	1.0	0.9
29			4.7	7.9		12	26	43	12	3.8	1.0	1.0
30			4.0	6.3		14	28	40	11	3.5	1.0	1.0
31			4.0E	4.9		13		39		3.3	1.0	
Mean				3.2	17.7	10.4	24.5	59.3	25.0	6.5	1.8	0.8
Ac-Ft				196	985	637	1456	3644	1488	397	113	49

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 409

DAILY MEAN DISCHARGE
LONG VALLEY CREEK NEAR DOYLE

In second-feet

Date	1957			1958									
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				13	17	66	105	90 E	15	4.1	5.3E	3.4
2				12	19	56	76	88 E	16	4.5	4.7E	4.1
3			12 E	10	28	60	83	85 E	16	4.1	4.0E	3.0
4			11 E	10	29	45	96	82 E	12	5.3	3.4E	2.7
5			11	12	22	43	72	78 E	12	6.3	3.0	3.4
6			10	9.2	20	39	64	76 E	10	5.8	1.7	3.4
7			9.2	9.2	19	34	66	73 E	9.4	3.7	1.2	3.4
8			┼	10	28	45	76	70 E	10	4.5	1.5	3.4
9				17	24	32	91	67 E	11	4.5	2.2	3.7
10			9.6E	12	20	34	111	64 E	11	4.9	1.7	3.4
11			│	10	18	34	125	61 E	18	4.9	1.5	3.0
12			│	10	38	31	125	58 E	21	4.9	1.4	3.0
13			10	11	36	27	125	55 E	23	6.3	1.2	3.0
14			10	9.2	31	31	142 E	52 E	15	5.8	1.0	3.4
15			12	10	28	31	139 E	52	12	8.0	0.9	4.1
16			19	11	33	34	133 E	50	9.4	12	1.2	3.7
17			24	12	31	43	136 E	48	8.7	14	1.2	3.4
18			20	11	28	56	146 E	46	9.4	17	2.2	3.0
19			15	10	32	43	134 E	48	11	13	1.4	3.4
20			16	10	36	43	130 E	48	8.7	17	0.9	3.7
21			15	10	31	78	143 E	46	6.9	15	1.2	3.4
22			14	9.2	27	68	140 E	42	6.3	13	1.5	4.1
23			9.2	11	27	54	119 E	38	5.8	17	2.2	5.3
24			9.2	14	128	48	113 E	34	5.3	9.4	1.7	4.5
25			14	15	427	41	109 E	34	4.9	9.4	2.0	3.4
26			13	16	188	38	105 E	31	5.8	8.8E	2.2	4.1
27			10	16	116	41	102 E	28	4.9	8.1E	2.7	5.3
28			13	14	94	38	99 E	25	4.5	7.5E	3.4	4.9
29			13 E	19		38	97 E	22	4.9	6.8E	3.0	4.1
30			12 E	29		62	93 E	20	5.3	6.6E	3.4E	4.1
31			12	21		70		15		5.9E	3.0	
Mean				12.7	56.2	45.3	110	52.5	10.4	8.3	2.2	3.7
Ac-Ft.				779	3124	2783	6536	3225	621	512	135	220

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 410

DAILY MEAN DISCHARGE
BLACKWOOD CREEK NEAR TAHOE CITY

In second-feet

Date	1957			1958								
	Oct.	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					10 E	31	10 E	105	242	98	21	5.4
2					9.9	30	9.0E	126	230	92	21	5.0
3					14	27	8.0E	147	215	92	18	4.6
4					12	24	8.0E	171	190	96	17	4.6
5					11	24	8.0E	198	201	96	15	4.6
6					9.4	23	8.5E	215	198	94	14	4.3
7					7.8	22	9.0E	206	184	92	14	4.3
8					7.8	22	10 E	209	195	85	12	4.6
9					7.8	21	11	227	198	79	12	4.3
10					7.8	20	12	251	182	73	11	3.9
11					7.8	18	13	273	171	66	11	3.5
12					20	18	15	201	154	63	11	3.9
13					17	18	18	174	151	57	8.8	3.9
14					16	17	25	171	169	53	8.3	3.9
15					20	17	32	195	190	49	7.8	3.9
16					28	17	40	236	206	46	7.8	3.5
17					28	15	56	270	215	43	8.3	3.5
18					26	14	66	311	242	39	7.8	3.2
19				8.8E	35	14	78	336	236	37	7.8	3.2
20				┼	33	17	94	307	212	37	8.3	2.9
21				9.0E	31	19	111	300	218	35	9.9	2.6
22				┼	30	17	118	307	227	35	9.4	2.6
23				┼	31	15	88	362	212	37	8.8	4.6
24				14	59	14	71	325	174	31	8.8	3.9
25				14	116	14	65	318	154	29	7.8	3.5
26				12	62 E	13	68	314	161	28	7.3	3.5
27				11	42 E	13	74	304	154	27	6.8	3.2
28				11	35	13	74	290	133	26	6.8	3.2
29				11		12	74	280	118	24	6.3	2.9
30				12		12 E	90	280	107	21	6.3	2.9
31				10 E		11 E		280		21	6.3	
Mean					26.2	18.1	45.4	248	188	54.9	10.5	3.8
Ac-Ft					1456	1115	2704	15250	11190	3374	647	226

E — Estimated NR — No Record

Total Discharge in Acre-Feet

TABLE 411

DAILY MEAN DISCHARGE
TROUT CREEK NEAR TAHOE VALLEY

In second-feet

Date	1957			1958								
	Oct	Nov	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1				18 E	17 E		18	83	168	89	38	26
2				18	17		19	96	156	84	37	22
3					17 E		45	107	153 E	81	36	21
4					17 E		42 E	120	146 E	76	35	19
5					17		32 E	135	147 E	72	35	19
6				1 E	17		22	144	143 E	70	34	18
7					17		21	143	137	65	35	21
8					17	19 E	21	144	136	63	36	31
9					17		21	154	124	61	35	26
10					17		23	157	124	59	40	25
11				18	17		26	178	124	59	46	24
12					23		27	140	114	56	47	23
13			20 E	18 E	21		30	128	114	53	46	22
14			19		20 E		33	134	109	51	45	22
15			52		20 E		36	146	110	50	40	21
16			56	18	20		41	155	115	48	38	21
17			24		20	19	49	171	127	50	38	20
18			18		20		60	189	127	56	36	20
19			24		20		69	201	128	54	47	19
20			21	18 E	21	19 E	78	201	126	52	42	19
21			20		21		92	201	126	48	40	19
22			21		21	19	90	204	128	63	39	19
23			21 E		21	18	70	233	130	60	38	20
24			21	17	36	18	61	220	128	54	37	21
25			20	18	55	18	60	212	120	48	37	21
26			20	17	32	19	65	211	116	46	35	20
27			20	17 E	20 E	19	72	201	111	44	33	19
28			19	17	20 E	19	72	189	106	42	32	18
29			19			18	71 E	185	99	41	33	18
30			19 E	17 E		17	73	182	94	40	31	18
31			19 E			18 E		176		39	30	
Mean				17.8	21.4	18.8	48.0	166	126	57.2	37.8	21.1
Ac-Ft.				1093	1186	1154	2854	10200	7509	3519	2323	1254

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 412

DAILY MEAN DISCHARGE
UPPER TRUCKEE RIVER NEAR MEYERS

In second-feet

Date	1957			1958								
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				10	7.8E		15 E	163	496 E	167	46	12
2				10	8.6		14 E	212	424	157	42	11
3				9.9E	11	23 E	13 E	264	356	156	40	10
4				9.9E	9.9		13 E	309	306	156	36	10
5				9.5E	8.9		13 E	394	347	145	33	9.5
6				9.5E	8.6	21	14 E	427	332	150	32	10
7				9.2	8.9	21 E	16 E	397	290	147	31	10
8				9.2	9.5	20	18	397	304	128	31	14
9				8.9E	8.9		19	438	261	124	29	12
10				10	8.9		22	514 E	304	113	28	10
11			8.4E	9.9	8.4	20 E	26	512 E	285	103	26	10
12			7.3	9.5	17		29	293	230	9E	25	10
13			7.3	9.5	14	20	36	285		88	23	11
14			7.8	9.2E	12	20	46	338		82	22	10
15			13	9.5	13	22	55	464	347 E	78	21	9.9
16			22	9.2	13	21	67	586 E		73	24	9.2
17			16	8.9E	13	20	88	688 E	461 E	70	22	8.9
18			14	9.2E	13	19	117	852 E	588 E	68	43	8.6
19			13	8.4E	14	19	127	881 E	515 E	67	45	8.6
20			12	8.6	15	22	147	822 E	410	67	30	8.4
21			11	8.1E	16	24	165	797 E	414	62	24	8.6
22			10	8.4E	17	21	154	756 E	466	86	21	8.6
23			10	8.6	18	20	111	1120 E	470	92	19	15
24			10	9.9	45	20	95	925 E	350	68	18	13
25			9.9	9.9	62	19	93	797 E	295	63	17	12
26			10	10	43	19	99	727 E	293	58	16	10
27			9.9	9.5	34 E	18	111	685 E	301	56	15	9.5
28			10	8.9	25	18	119	631 E	256	55	15	9.2
29			11	8.9		18	113	613 E	203	51	14	8.9
30			10	9.9		17 E	132	605 E	174	46	13	8.4
31			10 E	9.2		16 E		592 E		44	13	
Mean				9.3	17.3	20.3	69.6	564	351	94.1	26.3	10.2
Ac-Ft				574	959	1250	4140	34680	20900	5784	1615	608

E — Estimated NR — No Record Total Discharge in Acre-Feet

TABLE 413

DAILY ELEVATION*
EAGLE LAKE NEAR SUSANVILLE

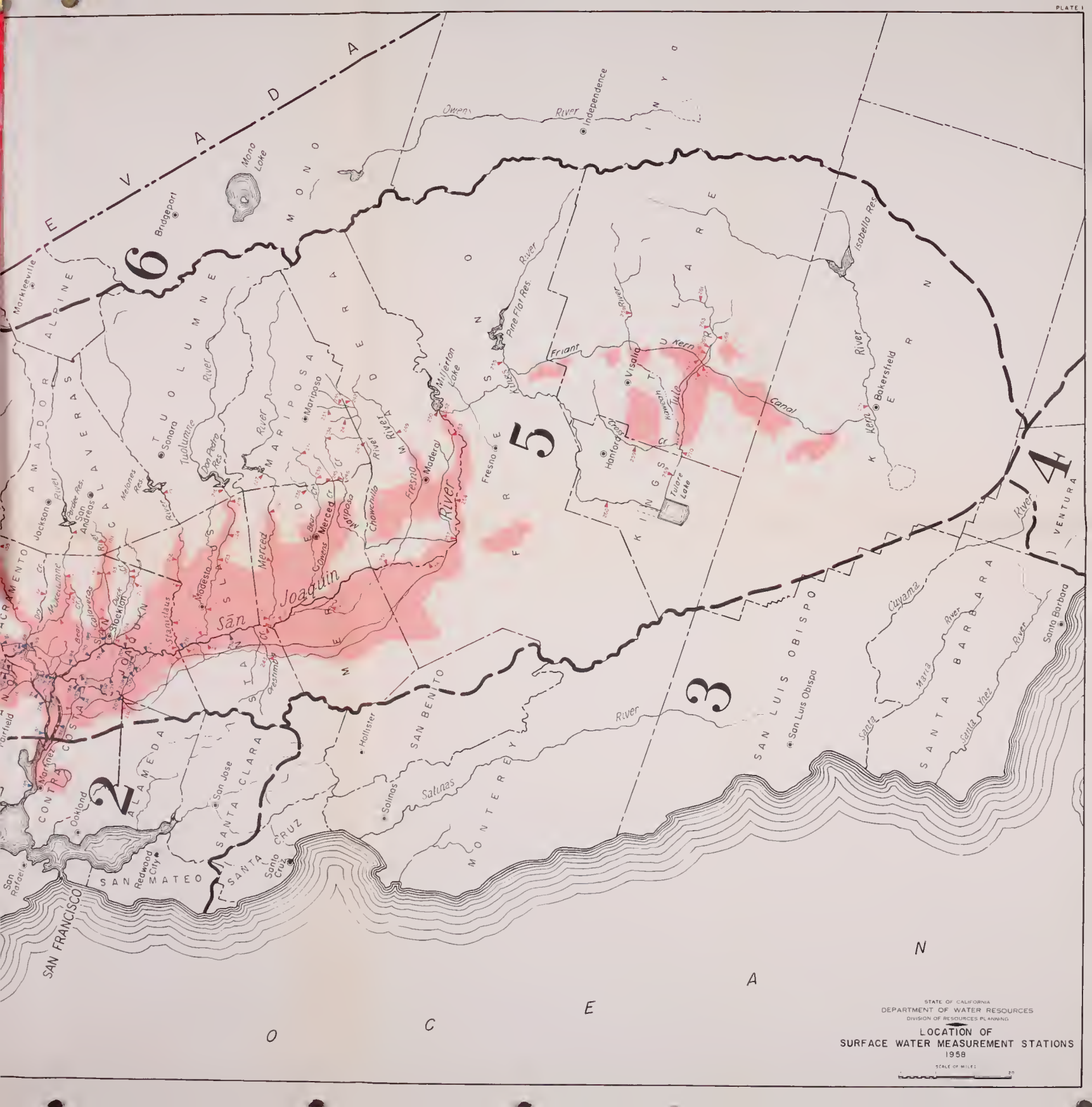
In feet

Date	1957			1958								
	Oct.	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.05	4.10	4.10	4.30	4.55	5.35	5.80	6.65	7.00	7.05	6.80	6.40
2	4.05	4.15	4.10	4.30	4.55	5.35	5.85	6.65	7.00	7.05	6.80	6.40
3	4.05	4.10	4.10	4.30	4.60	5.35	5.90	6.65	7.00	7.00	6.80	6.35
4	4.00	4.10	4.05	4.30	4.65	5.35	5.90	6.70	7.00	7.00	6.80	6.35
5	4.10	4.05	4.05	4.30E	4.65	5.35	5.90	6.70	7.00	7.00	6.75	6.35
6	4.05	4.05	4.05	4.30E	4.65	5.40	5.95	6.75	7.00	7.00	6.75	6.35
7	4.10	4.05	4.05	4.35E	4.70	5.40	5.95	6.75	7.00	6.95	6.75	6.35
8	4.10	4.10	4.05	4.35E	4.70	5.40	5.95	6.75	6.95	6.95	6.70	6.30
9	4.10	4.05	4.00	4.35E	4.70	5.40	5.95	6.80	6.95	6.95	6.70	6.30
10	4.10	4.05	4.00	4.35	4.70	5.40	6.00	6.80	7.00	6.95	6.70	6.25
11	4.10	4.05	4.00	4.35	4.75	5.40	6.00	6.90	7.00	6.95	6.65	6.25
12	4.10	4.05	4.00	4.35	4.75	5.40	6.00	6.90	7.15	6.95	6.65	6.20
13	4.10	4.10	4.00	4.35E	4.75	5.40	6.05	6.95	7.15	6.95	6.65	6.20
14	4.10	4.15	4.00	4.35E	4.75	5.45	6.05	7.00	7.15	6.90	6.65	6.20
15	4.10	4.15	4.05	4.35E	4.80	5.50	6.10	7.00	7.15	6.90	6.65	6.20
16	4.10	4.15	4.10	4.40E	4.80	5.50	6.10	7.00	7.15	6.90	6.60	6.20
17	4.10	4.10	4.15	4.40E	4.80	5.50	6.10	7.05	7.15	6.90	6.60	6.15
18	4.10	4.15	4.25	4.40E	4.85	5.50	6.15	7.05	7.15	6.85	6.60	6.15
19	4.10	4.15	4.20	4.45E	4.90	5.50	6.20	7.05	7.15	6.85	6.60	6.15
20	4.15	4.15	4.25	4.45E	4.90	5.55	6.25	7.05	7.15	6.85	6.60	6.15
21	4.10	4.10	4.25	4.45E	4.95	5.60	6.30	7.05	7.15	6.85	6.55	6.15
22	4.10	4.10	4.30	4.45	4.95	5.60	6.40	7.05	7.15	6.85	6.55	6.15
23	4.05	4.10	4.30E	4.45	5.00	5.65	6.40	7.05	7.15	6.85	6.55	6.15
24	4.10	4.10	4.30E	4.45	5.05	5.65	6.45	7.05	7.15	6.80	6.55	6.10
25	4.15	4.10	4.30	4.50	5.20	5.65	6.45	7.05	7.10	6.80	6.50	6.10
26	4.15	4.10	4.30	4.50	5.25	5.65	6.50	7.05	7.10	6.80	6.50	6.10
27	4.15	4.10	4.30	4.50	5.30	5.70	6.50	7.05	7.10	6.80	6.45	6.10
28	4.10	4.10	4.30	4.50	5.35	5.70	6.55	7.05	7.10	6.80	6.45	6.10
29	4.10	4.10	4.30	4.55		5.70	6.60	7.05	7.05	6.80	6.45	6.10
30	4.10	4.10	4.30	4.55		5.75	6.60	7.05	7.05	6.80	6.45	6.10
31	4.15		4.30	4.60		5.80		7.00		6.80	6.40	

* Individual daily readings, 12:00 Noon.

PLATES

LEGEND
1 NORTH COASTAL AREA
2 SAN FRANCISCO BAY AREA
3 CENTRAL COASTAL AREA
4 SOUTH COASTAL AREA
5 CENTRAL VALLEY AREA
6 LAHONTON AREA
7 COLORADO DESERT AREA
(NOT SHOWN ON THIS PLATE)
AREA OF MEASUREMENT OF DIVERSIONS
SURFACE WATER MEASUREMENT STATIONS
STREAM FLOW
WATER STAGE
OREGON
NEVADA
PACIFIC
Goose Lake
Clear Lake Res.
Big Sage Res.
Alturas
Eagle Lake
Willow Cr.
Susanville
Honey Lake
Long Valley
Lake Tahoe
Markleeville
Fall River
Pit River
Burney Cr.
Lake Almanor
Indian Creek
Quincy
Feather River
Middle Fork
North Fork
Downieville
Nevada City
Placerville
Folsom Res.
Auburn
Yuba River
Bear River
American River
SACRAMENTO
Cosumnes River
Marysville
Oroville
Chico
Big Chico Cr.
Butte Cr.
Deer Cr.
Mill Cr.
Redding
Shasta Lake
Shasta River
Little Shasta R.
Yreka
Klamath River
Scott River
Scott Valley
Weaverville
Browns Cr.
Trinity River
Big Cr.
Crescent City
DEL NORTE
Eureka
Mad River
Eel River
HUMBOLDT
TRINITY
Cottonwood Creek
S. Fk. Cottonwood
Red Bluff
Thomes Creek
Stony Creek
Willows
Colusa
Colusa Basin Drain
Sacramento River
Feather River
Yuba City
Woodland
Cache Creek
Bear Cr.
Putah Creek
Clear Lake
Lakeport
Ukiah
Russian River
Mendocino
Lake
Napa
Santa Rosa
Sonoma
Marin
San Rafael
Fairfield
Vacaville
Solano
Yolo
Colusa
Tehama
Glenn
Shasta
Lassen
Plumas
Sierra
Nevada
Placer
El Dorado
Sutter
Butte
Trinity
Humboldt
Mendocino
Sonoma
Napa
Lake
Del Norte
5
1



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING

LOCATION OF SURFACE WATER MEASUREMENT STATIONS 1958

SCALE OF MILES 0 20

THIS BOOK IS DUE ON THE LAST DATE
STAMPED BELOW

RENEWED BOOKS ARE SUBJECT TO IMMEDIATE
RECALL

APR 4 1978

MAR 6 REC'D

RECEIVED
JUN 25 1986
PHYS SCI LIBRARY

LIBRARY, UNIVERSITY OF CALIFORNIA, DAVIS

Book Slip–70m-9,'65(F7151s4)458

№ 411402

California. Dept.
of Water Resources.
Bulletin.
(Surface water flow)

TC824
C2
A2
no.23:58

PHYSICAL
SCIENCES
LIBRARY

LIBRARY
UNIVERSITY OF CALIFORNIA
DAVIS

3 1175 00478 4644

Call Number:

411402
California. De t.
of Water Resources.
Bulletin.
(Surface water flow)

TC824
C2
A2
no.23:58